HST-D301/D301CD/D501/D501CD/D501CDM

SERVICE MANUAL

REVISED

(AEP, UK)

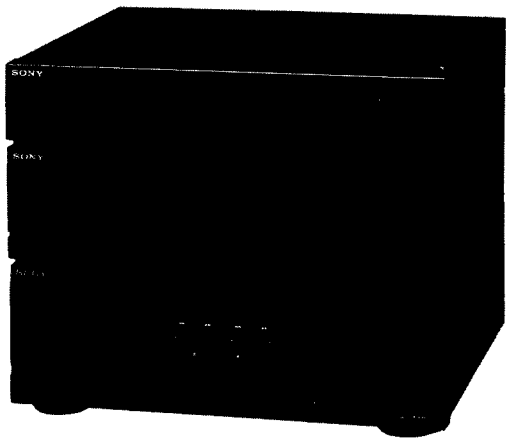

PHOTO: HST-D501

AEP Model

HST-D301

HST-D501

UK Model

HST-D301

HST-D301CD

HST-D501CD

HST-D501CDM

E Model

HST-D301

HST-D501

- The HST-D301 is stereo deck receiver section in the XO-D301/D301CD and the HST-D501, in the XO-D501CD/D501CDM.

- In this SERVICE MANUAL HST-D301 stands for HST-D301/D301CD, and HST-D501 for HST-D501/D501CD/D501CDM.

SPECIFICATIONS

Stereo deck receiver

System: FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range: 87.5 to 108 MHz

Antenna terminals: 75 ohms unbalanced
300 ohms balanced (UK model)

AM tuner section

		MW	LW
Tuning range	AEP, UK models	except IT model 531 to 1,602 kHz IT model 522 to 1,611 kHz	except IT model 153 to 281 kHz IT model 144 to 288 kHz
	E model	MW	SW
		531 to 1,602 kHz	SW1: 3.2 to 7.3 MHz
			SW2: 9.5 to 21.75 MHz
Antenna		AM Loop antenna, External antenna terminal	
Intermediate frequency		450 kHz	

Amplifier section

Continuous RMS power output

HST-D301:
30W + 30W (6 ohms, at 1 kHz, 5% THD)

HST-D501:
50W + 50W (6 ohms, at 1 kHz, 5% THD)

Inputs

Jacks	Jack type	Sensitivity	Impedance
CD IN	Phono	200 mV	47 kohms
PHONO IN	Phono	5.5 mV	50 kohms

Frequency response: CD: 15 Hz to 50 kHz +0 −3 dB

Model Name Using Similar Mechanism	D301 DECK A/DECK B: TC-W7ES D501 DECK A/DECK B: DXA-D50
Tape Transport Mechanism Type	D301 DECK A: TCM-170VA1 DECK B: TCM-170VB3 D501 DECK A: TCM-170RA1 DECK B: TCM-170RB1

Cassette deck section

Recording system: 4-track 2-channel stereo

Frequency response: DOLBY NR OFF
With TYPE II cassette (Sony UX-S)
40 Hz to 14 kHz (±3 dB)
With TYPE I cassette (Sony HF-S)
40 Hz to 13 kHz (±3 dB)

Wow and flutter: ±0.2% (DIN)

General

Power requirements: AEP model: 220 V AC 50 Hz
UK model: 240 V AC 50 Hz
E model: 110/120/220/240 V AC 50 Hz

Power consumption: HST-D301 AEP model: 85 W
UK model: 170 W
E model: 145 W
HST-D501 AEP model: 125 W
UK model: 250 W
E model: 145 W

Weight: HST-D301: Approx. 7.5 kg (16 lb 9 oz)
HST-D501: Approx. 8.5 kg (18 lb 12 oz)

Dimensions (w/h/d): HST-D301/D501: Approx. 355 × 295 × 350 mm

Design and specifications subject to change without notice.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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MICROFILM

COMPACT HI-FI STEREO SYSTEM

SONY®

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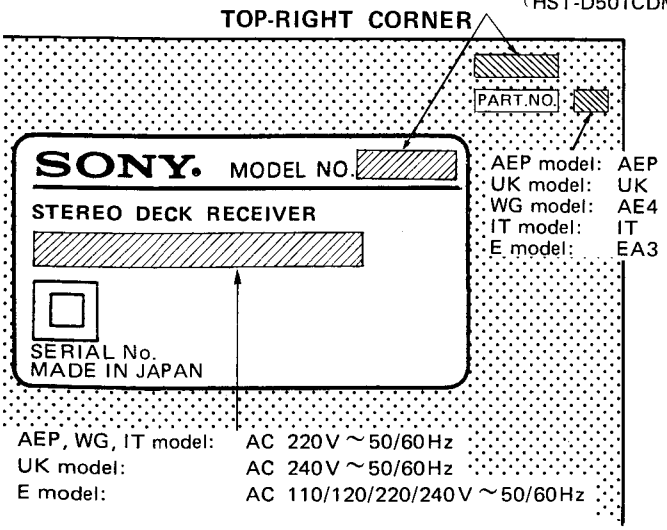
MODEL IDENTIFICATION —BACK PANEL—

HST-D301: { HST-D301 / HST-D301CD

HST-D501: { HST-D501 / HST-D501CD / HST-D501CDM



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TEST-MODE BY DISPLAY-CONTROL MICROCOMPUTER (IC153).

- If the power is turned on with the terminals of TP.TEST shorted, all the segments of FL101 will light.
- Before shipment of the unit, the frequencies below are preset in the internal memory of IC153 (tuner system control) and when the leads of C157 (ELECT 10 μF: between IC153 V_{DD} to GND) are shorted, the frequencies will be reset in the memory.
- After repair, return the memory to the preceding state (content).

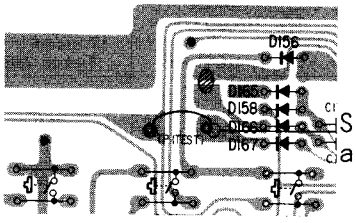
FM		MW	
A1	87.5MHz	A6	531kHz
A2	88.0MHz	A7	603kHz
A3	98.0	A8	999kHz
A4	100.0	A9	1404kHz
A5	108.0	A0	1602kHz
Last Channel	87.5 MHz	Last Channel	531kHz

(AEP, WG, IT, UK model)

LW	
B1	153kHz
B2	171kHz
B3	216kHz
B4	261kHz
B5	281kHz

(E model)

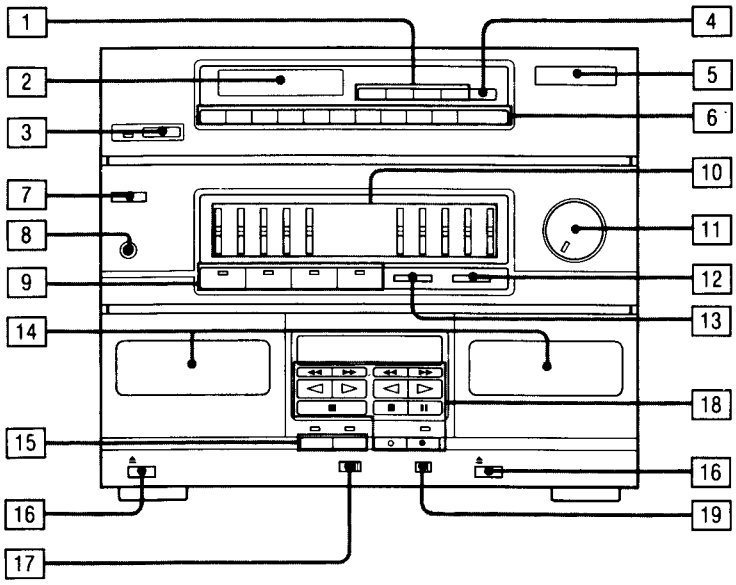
SW_1		SW_2	
B1	3.2MHz	B6	9.5MHz
B2	3.5MHz	B7	10.0MHz
B3	5.0MHz	B8	15.0MHz
B4	6.5MHz	B9	20.0MHz
B5	7.3MHz	B0	21.75MHz



CONTROL BOARD
—Conductive Side—

SECTION 1
GENERAL

LOCATION AND FUNCTION OF CONTROLS

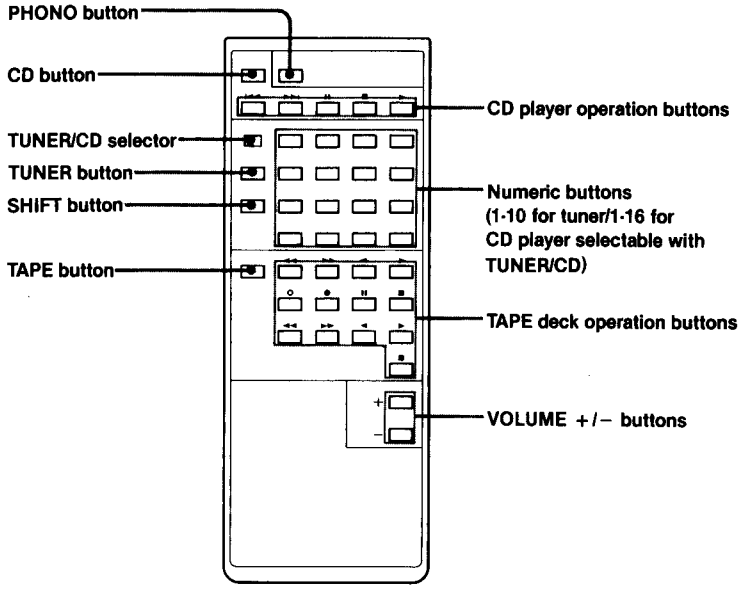


Tuner section
1. TUNING buttons
2. Band/frequency display
3. Remote sensor
4. MEMORY SCAN button
5. BAND SELECTOR
6. Preset buttons

Amplifier section
7. POWER switch
8. HEADPHONES jack (stereo phono)
9. FUNCTION selector
10. Graphic equalizer controls (left and right)
11. VOLUME control
12. SURROUND button (HST-D501 only)
13. DBFB button (HST-D501: AEP, WG, IT, UK)
13. SAT button (HST-D501: E)

Cassette deck section
14. Cassette holders
15. DUBBING speed selector
16. ⏏ EJECT buttons
17. DIRECTION MODE selector (HST-D501 only)
18. Tape operation buttons
    - ◀◀ Leftward fast winding
    - ▶▶ Rightward fast winding
    - ▷ Forward play
    - ◁ Reverse play (HST-D501 only)
    - ■ Stop
    - ❚❚ Pause
    - ○ Record muting (deck B only)
    - ● Record (deck B only)
19. DOLBY NR switch

Remote Commander



SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENTS PRECAUTIONS

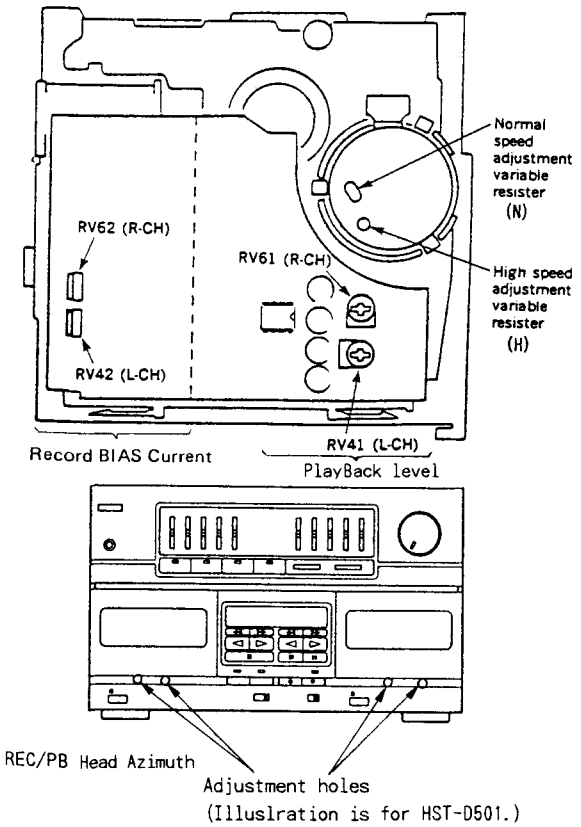
1. Clean the following parts with a denatured-alcohol-moistened swab:
   Record/playback head — pinch roller
   erase head — rubber belts
   capstan — idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode		Torque Motor	Torque
FWD		CQ-102C	30 — 70g·cm 0.41 —0.97oz·inch
FWD back tension		CQ-102C	2—6g·cm 0.03 —0.08oz·inch
FF, REW		CQ-201B	90 — 160g·cm 1.25 — 2.22oz·inch
HST-D501 only	REV	CQ-102RB	30 — 70g·cm 0.41 — 0.97oz·inch
	REV back tension	CQ-102RB	2—6g·cm 0.03 — 0.08oz·inch
	FF, REW	CQ-201B	90 — 160g·cm 1.25 — 2.22oz·inch

Adjustment Location:

—MD board—



(Illuslration is for HST-D501.)

2-2. ELECTRICAL ADJUSTMENTS PRECAUTIONS

1. The adjustment should be performed in the order given in this service manual.
   The adjustments should be performed for both L-CH and R-CH.
2. Switches and controls should be set as follows unless otherwise specified.
   DOLBY NR switch: OFF
3. Standard Record:
   Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

INPUT terminal	LINE IN
source impedance	10 kΩ
input level	0.25V(-10dB)

Standard Output Level

OUTPUT terminal	LINE OUT
load impedance	47 kΩ
output level	0.435V(-5dB)

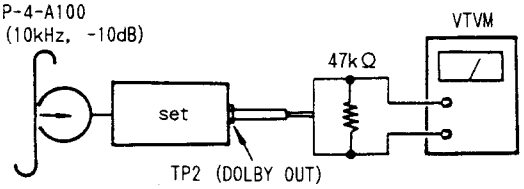
4. Before Hight adjustment short CJ901 on POWER AMP BOARD to set the unit in Hight speed mode, and after adjustment open CJ901.

Record/playback Head Azimuth Adjustment

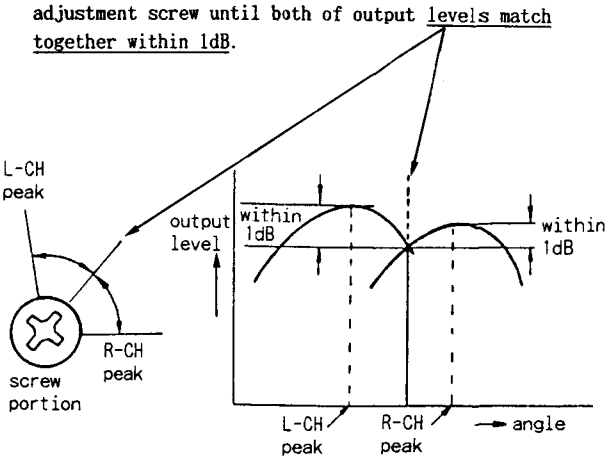
DECK A | DECK B

Procedure:

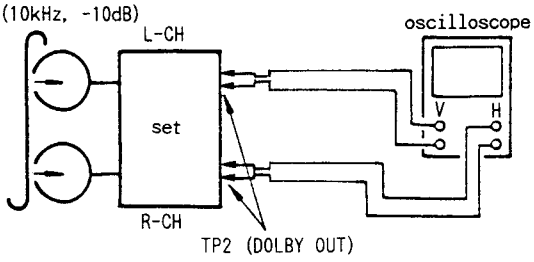
1. Mode: playback
   test tape
   P-4-A100
   (10kHz, -10dB)

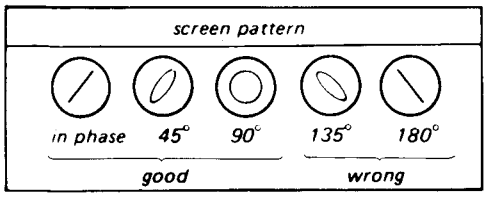


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.



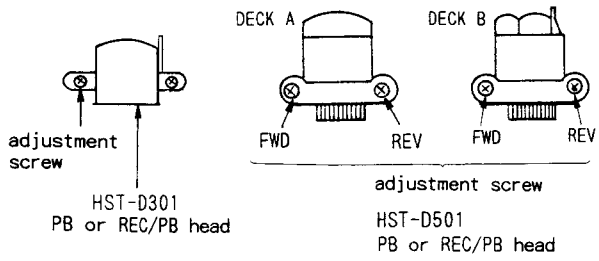
3. Phase Check
   Mode: playback
   test tape
   P-4-A100
   (10kHz, -10dB)





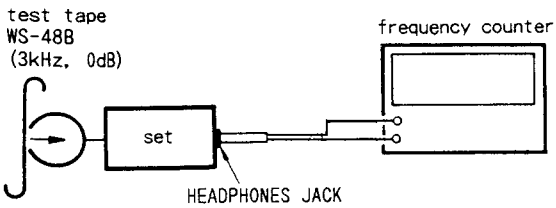
4. Repeat steps 1 — 3 in REV playback mode.
5. After the adjustment, lock the screws with locking compound.

Adjustment Location:



Tape Speed Adjustment DECK A DECK B

Procedure:
Mode: playback



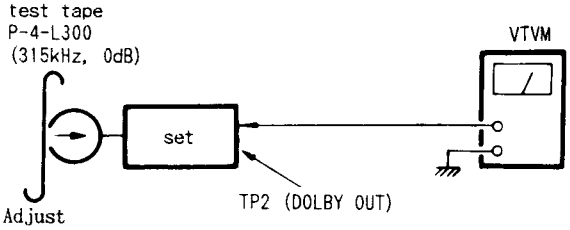
(High speed adjustment)
1. Playback WS-48B(Tape center portion) in Hight speed mode. (See page 4 for PRECAUTIONS.)
2. Adjust the deck A(H), deck B(H) so that the frequency counter reads 6000Hz ±60Hz

(Normal speed adjustment)
1. Playback WS-48B(Tape center portion) in Normal speed mode.
2. Adjustment the deck A(N), deck B(N) so that at this time the frequency counter reads 3000 ±30Hz. Frequency difference between the beginning and the end of the tape should be within 1.5%.

Adjustment Location: MD-A/-B board (See page 4.)

Playback Level Adjustment DECK A DECK B

Procedure:
Mode: FWD playback



Adjust
DECK-A side RV41-A (L-CH), RV61-A (R-CH)
DECK-B side RV41-B (L-CH), RV61-B (R-CH)
so that the adjustment limits are satisfied.

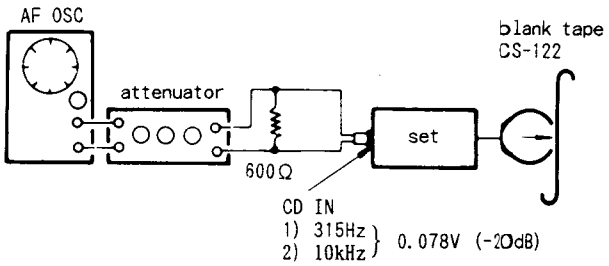
Adjustment Limits:
DOLBY OUT level: -4.2 to -1.2dBs
level difference between the channels:
within 1.0dB

Adjustment Location: MD-A/-B board (See page 4.)

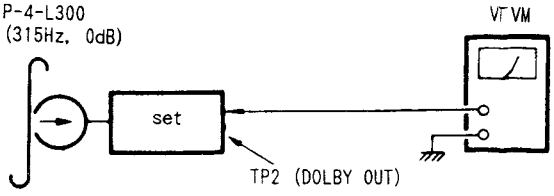
Record BIAS Current Adjustment DECK B

Setting: FUNCTION CD
DOLBY OFF

Procedure:
1. Mode record



2. Mode: playback



(1). Record above signals in blank tape CS-122.
(2). Play the recorded portions and adjust RV42 (L-CH) and RV62 (R-CH) so that the level difference between 315Hz and 10kHz is within ±0.5dB.
(3). Repeat the procedure several times.

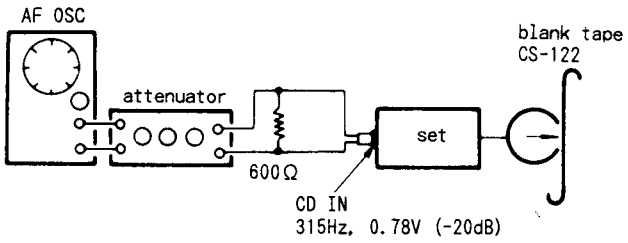
Adjustment Location: MD-A/-B board (See page 4.)

Record Level Adjustment DECK B

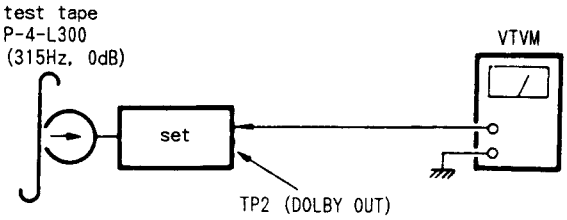
Setting: FUNCTION CD
DOLBY OFF

Procedure:

1. Mode: record



2. Mode: playback



(1). Record 315Hz in blank tape CS-122.

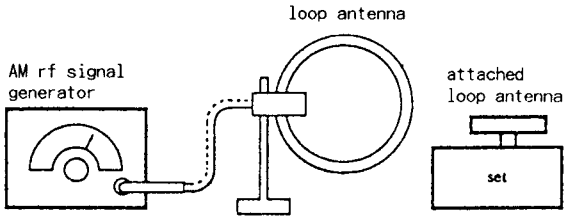
(2). Play the recorded portion and adjust RV501 (L-CH) and RV551(R-CH) so that the playback level at DOLBY OUT is -22.5 ±0.5dBs.

Adjustment Location: Main board

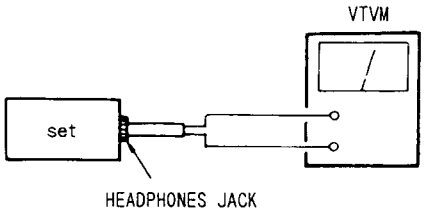
TUNER SECTION

As FM FRONT-END FE001 is difficult to repair if faulty, replace it with new one.

- **AM SECTION**



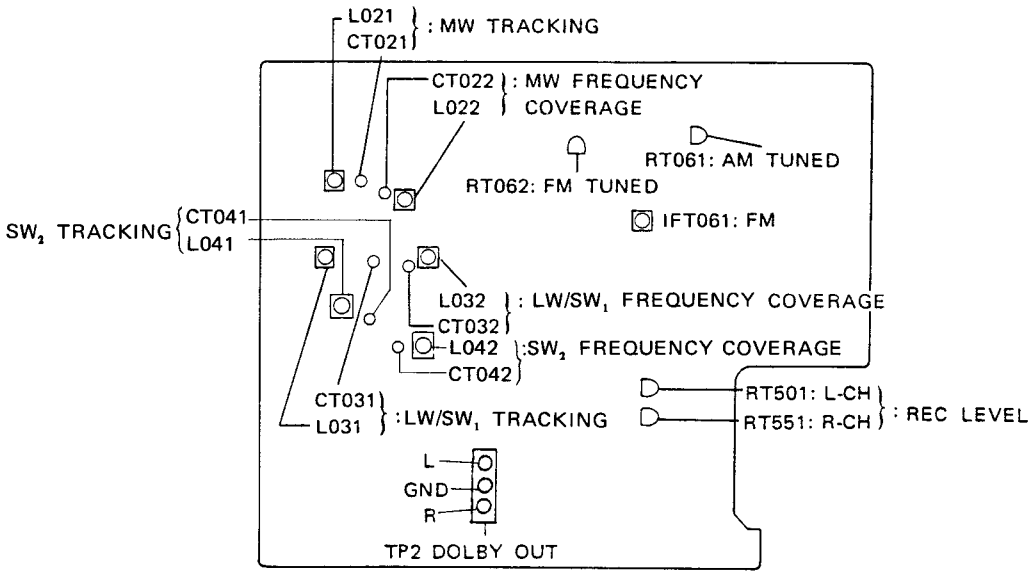
Modulation: 400Hz, 30% modulation
output level: as low as possible



· Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

Adjustment Location:

MAIN BOARD –Component Side–



AM Frequency Coverage Adjustment

(AEP, UK models) ( ): IT model

	Tuened frequency	SG frequency	Adjustment Part	Reading on VTVM	CV value
MW	f minimum	531kHz (522kHz)	L022	maximum	1.0 ±0.1V
	f maximum	1.602kHz (1.611kHz)	CT022		8.8 ±0.2V
LW	f minimum	153kHz (144kHz)	L032		1.1 ±0.1V
	f maximum	281kHz (288kHz)	CT032		8.3 ±0.2V

(E model)

	Tuened frequency	SG frequency	Adjustment Part	Reading on VTVM	CV value
MW	f minimum	531kHz	L022	maximum	1.1 ±0.1V
	f maximum	1.602kHz	CT022		8.8 ±0.2V
SW1	f minimum	3.2MHz	L032		1.0 ±0.1V
	f maximum	7.3MHz	CT032		8.8 ±0.2V
SW2	f minimum	9.50MHz	L042		1.5 ±0.1V
	f maximum	21.75MHz	CT042		8.3 ±0.2V

AM Tracking Adjustment

(AEP, UK models) ( ): IT model

	SG and set frequency	Adjustment part	Reading on VTVM
MW	603kHz	L021	maximum
	1.404kHz	CT021	
LW	171kHz (162kHz)	L031	
	171kHz (220kHz)	CT031	

(E model)

	SG and set frequency	Adjustment part	Reading on VTVM
MW	603kHz	L021	maximum
	1.404kHz	CT021	
SW1	3.5MHz	L031	
	6.5MHz	CT031	
SW2	10.0MHz	L041	
	20.0MHz	CT041	

AM Tuned Level Adjustment

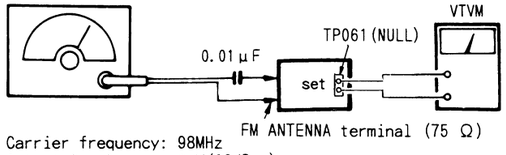
- MW band.
  1. Set loop antenna input level to 0.56mV (55dBμ/m) and tune the set to the signal.
  2. Adjust RT061 to the point where "TUNED" sign on FL101 just turns light.
- LW band. (AEP, UK models)
  1. Tune the set to 216kHz.
  2. Confirm that "TUNED" sign turns light within the loop antenna input level of 2.5mV (68dBμ/m).

• FM SECTION

FM CV values (Reference)

Turned Frequency	CV value
f minimum (87.5MHz)	1.6±0.3V
f maximum (108MHz)	8.0 $^{+1.0}_{-0.5}$ V

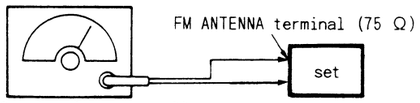
FM NULL Adjustment



Carrier frequency: 98MHz
Output level: 1mV (60dBμ)
Modulation: AEP, UK models; 1kHz, 40kHz deviation
E model; 1kHz, 75kHz deviation

Procedure:
1. Tune the set to 98MHz.
2. Adjust IFT061 for 0V reading on the VTVM.

FM Tuned Level Adjustment

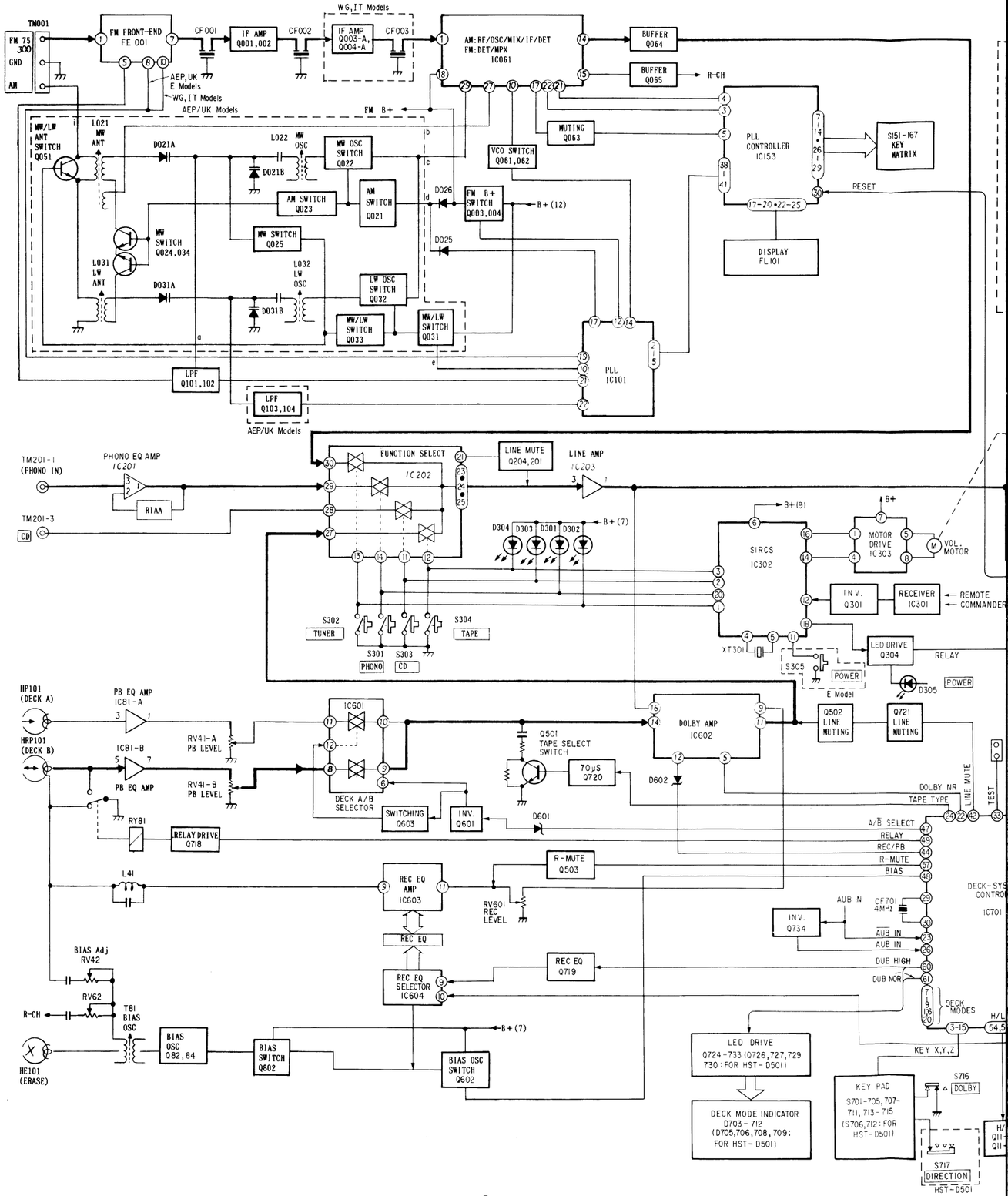


Carrier frequency: 98MHz
Output level: 0.018mV (25dBμ)
Modulation: AEP, UK models; 1kHz, 40kHz deviation
E model; 1kHz, 75kHz deviation

Procedure:
1. Tune the set to 98MHz.
2. Adjust RT062 to the point where "TUNED" sign on FL101 just turns light.

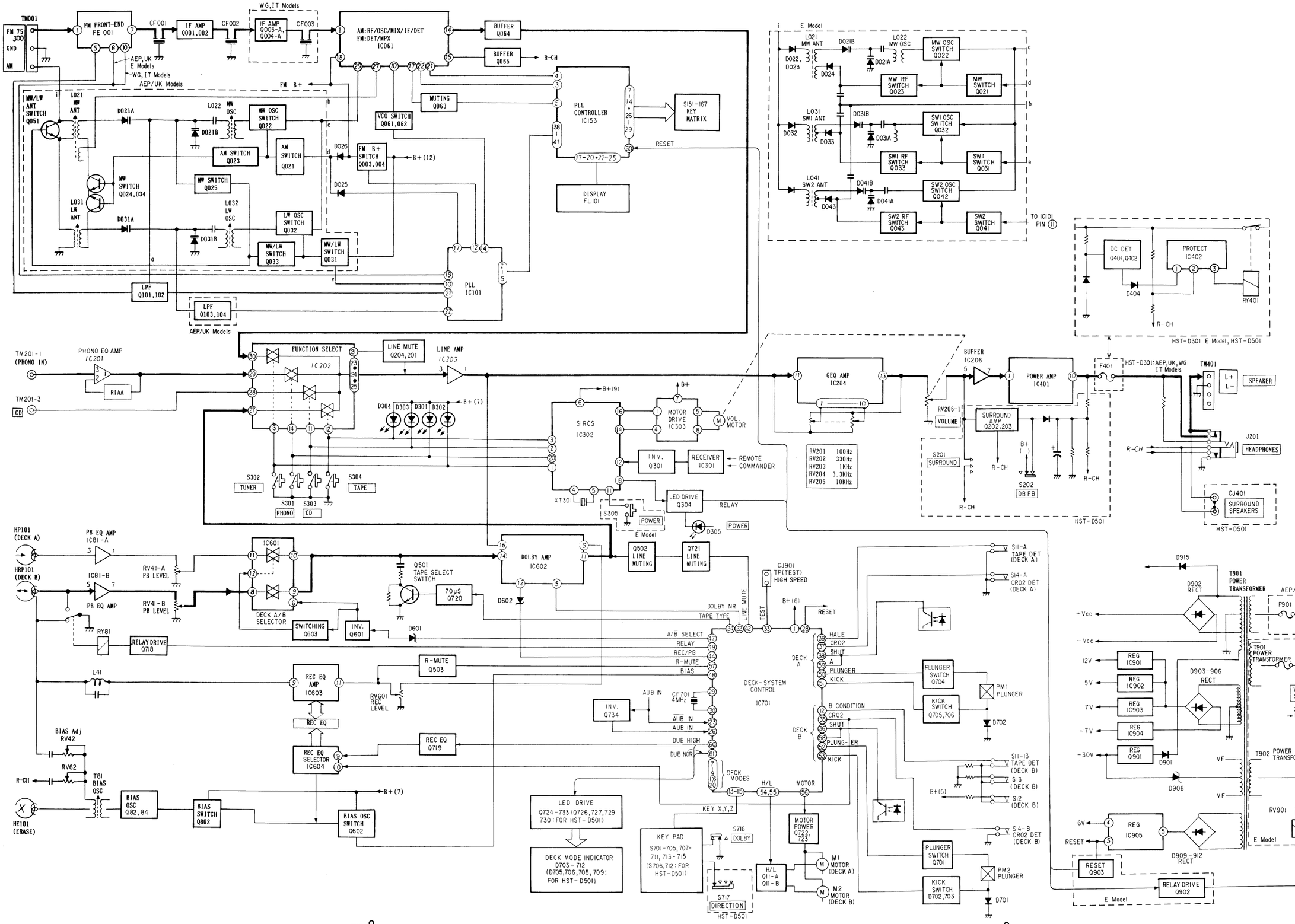
SECTION 3 DIAGRAMS

3-1. BLOCK DIAGRAM



SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM



- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D81	B-2	Q701	H-12
D701	G-12	Q702	H-12
D702	G-12	Q703	H-12
D703	G-16	Q704	G-12
D704	G-16	Q705	G-12
D705	G-16	Q706	G-11
D706	G-14	Q719	G-9
D707	G-14	Q720	I-7
D708	G-14	Q721	I-7
D709	G-14	Q722	G-8
D710	I-14	Q723	G-8
D711	I-14	Q724	H-12
D712	I-16	Q725	H-12
D713	F-10	Q726	H-12
		Q727	H-12
IC81	B-3	Q728	H-12
IC701	H-8	Q729	H-11
		Q730	H-11
Q11	D-3	Q731	H-11
Q12	C-8	Q732	H-11
Q81	D-2	Q733	H-11
Q82	C-3	Q734	I-8
Q83	C-3		

- ○——: Parts extracted from the component side.
- ●: Through hole.
- ▨: Pattern on the side which is seen.
- ▧: Pattern of the rear side.
- [ ]: Resistor components printed on the rear side.

3-2. PRINTED WIRING BOARDS
—TC Section—

【MD-B BOARD】

【LEAF SW BOARD】

【MD-A BOARD】

【SYSTEM CONTROL C BOARD】

【SYSTEM CONTROL B BOARD】

DECK B

D501

D301

ORG
BLK
BRN
BLU
WHT
YEL
RED

HRP I
REC/PB HEAD
/ERASE

ORG
GRN

HEI
ERASE
HEAD

YEL
BLU
RED
WHT

HRPI
REC/PB
HEAD

M2
REEL CAPSTAN
MOTOR

BLU

PM2
PLUNGER

【LEAF SW BOARD】

Q12-B
R11-B
R14-B
R12-B
R13-B
D11-B
CNR11-B
SI2-B REC(A)
SI4-B CrO2
SI1-B HALF
SI3-B REC(B)

13

B
TO MAIN
BOARD

DECK A

【MD-A BOARD】

D501

CNP81-A
C41-A
C42-A
R44-A
C43-A
R41-A
R42-A
R81-A
C81-A
C45-A
RV41-A
R43-A
C82-A
IC81-A
RV61-A
R82-A
R62-A
R63-A
C63-A
R61-A
C68-A
C61-A
R64-A
C62-A
CNP82-A
CNP12-A
R18-A
CNP13-A
WHT
R17-A
Q11-A

13

(CHASSIS)
(CHASSIS)

A
TO MAIN
BOARD

D501

YEL
BLK
RED
WHT

HP I
PB HEAD

D301

YEL
RED
WHT

HPI
PLAY BACK HEAD

MI
REEL/CAPSTAN
MOTOR

BLU

PMI
PLUNGER

【LEAF SW BOARD】

Q12-A
R14-A
D11-A
CNR11-A
SI4-A CrO2
SI1-A HALF

13

TO POWER
AMP BOARD

【SYSTEM CONTROL C BOARD】

CNP701
CN703
CN704
CN702
CF701
IC701
Q719
Q720
Q721
Q722
Q723
Q734
C704
C701
D501
D301
WHT
YEL
R738 1K

14

【SYSTEM CONTROL B BOARD】

D713
D702
CN706
CN705
Q705
Q704
Q706
D701
Q703
Q733
Q701
Q702
D501
D301

14

【SYSTEM CONTROL A BOARD】

D501
D706
D707
D705
D709
D711
D710
D708
D704
D703
D712
S714
S706
S715
S707
S705
S712
S711
S704
S708
S709
S710
S702
S701
S713
S703
S717
S716
PLAY
HIGH SPEED
NORMAL SPEED
R775 1.8k

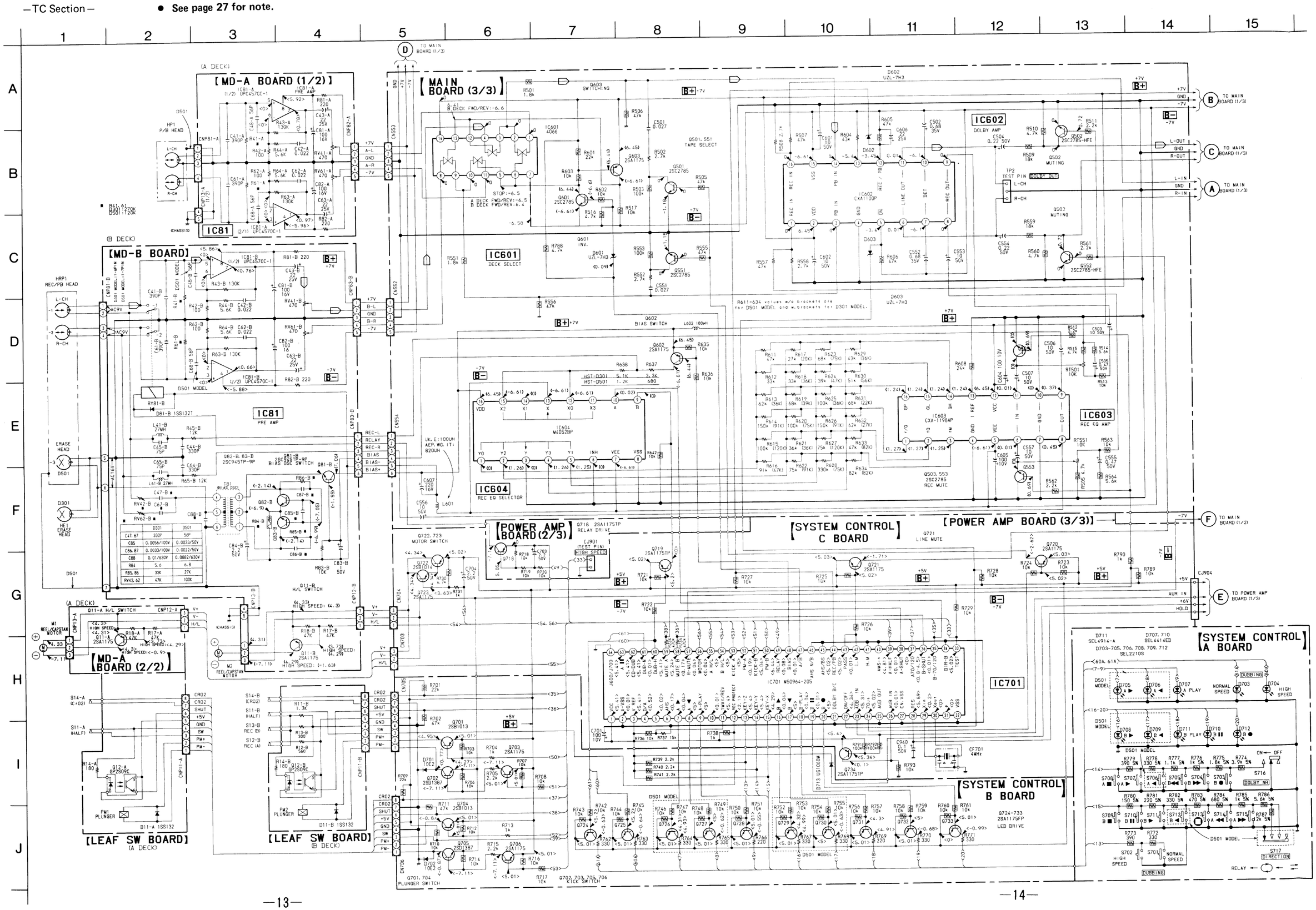
S717
DERECTION
RELAY
A DECK

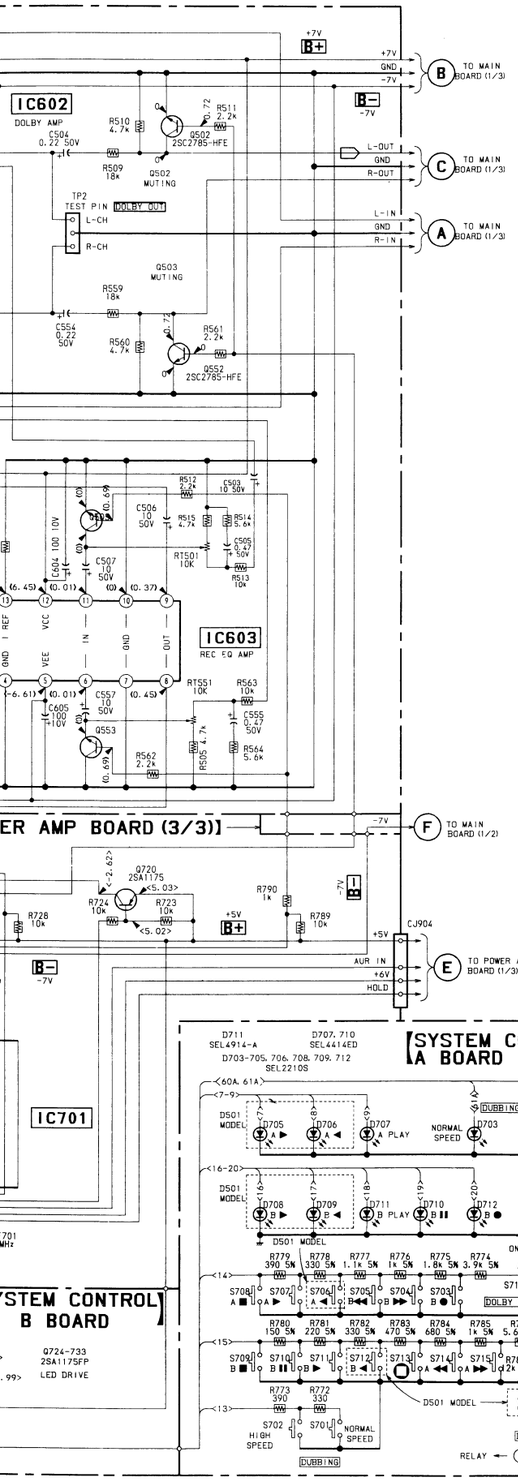
S716
DOLBY NR
OFF
ON
B DECK

14

3-3. SCHEMATIC DIAGRAM —TC Section—

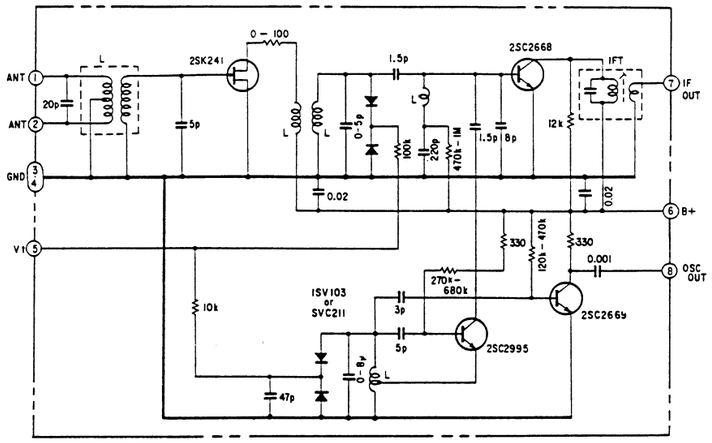
• See page 17 for Semiconductor Lead Layouts.
• See page 27 for note.



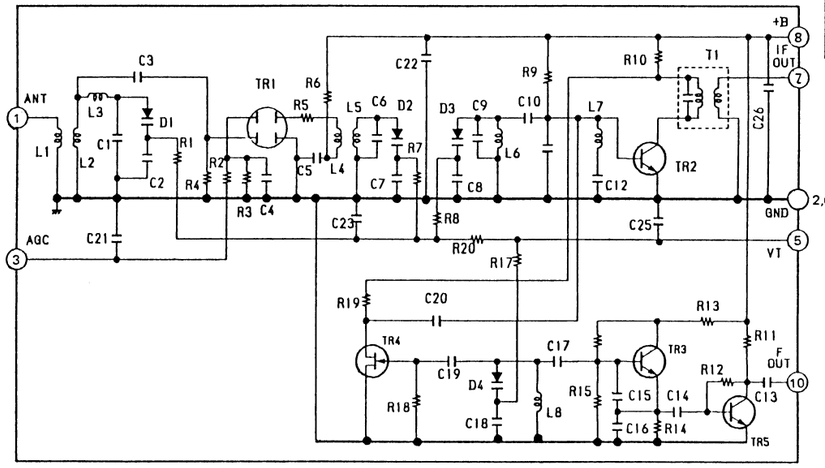


3-4. IC BLOCK DIAGRAM

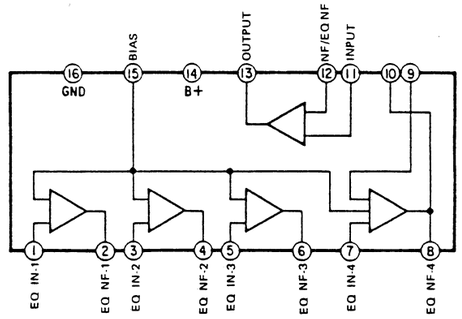
- FM FRONT-END (FE 101) AEP, UK, E model



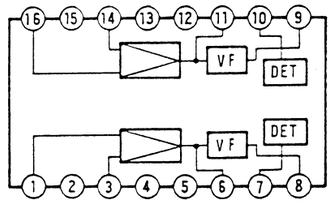
WG, IT model



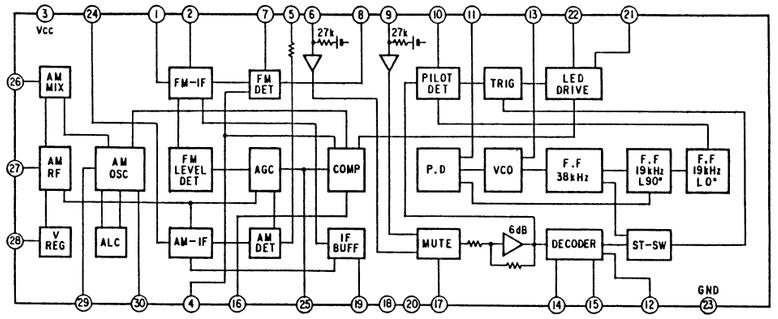
- IC204,205 M5226P



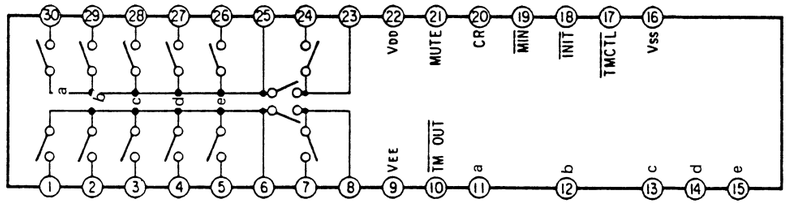
- IC602 CXA1100P



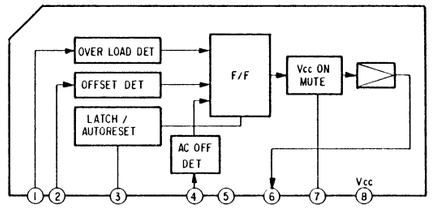
- IC061 LA1851N



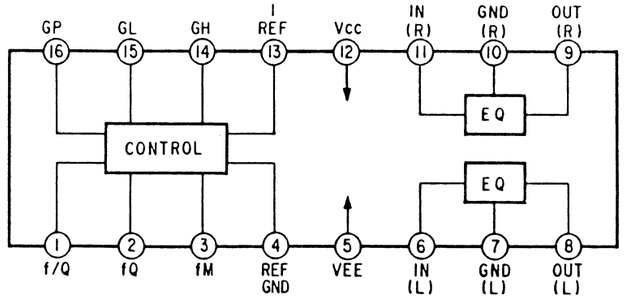
- IC202 LC7818



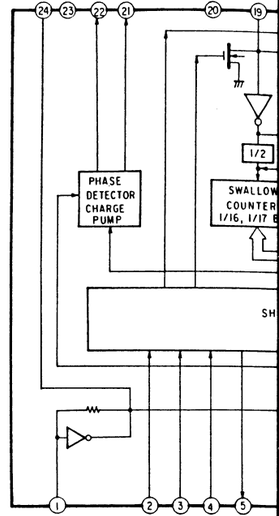
- IC402 μ1237HA



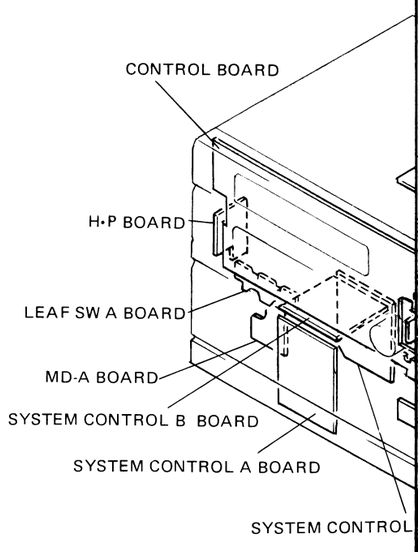
- IC603 CXA1198AP

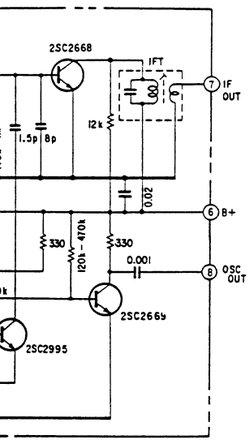


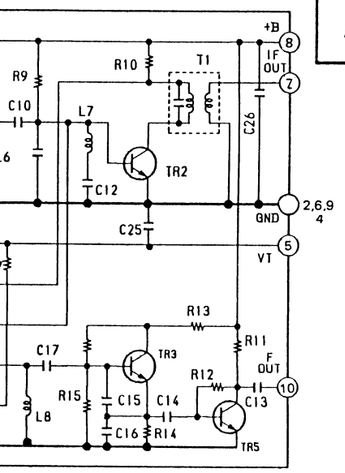
- IC101 LC7218



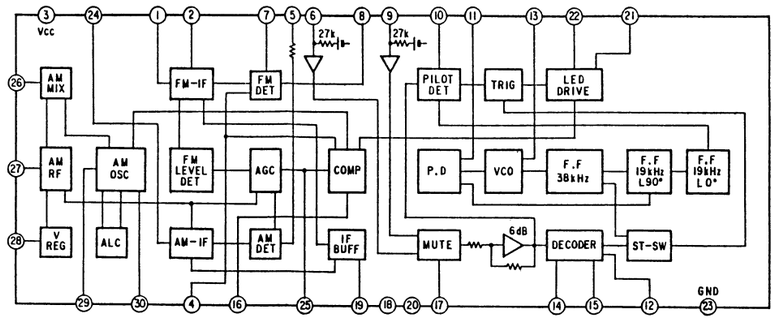
3-5. SIRCUIT BOARDS LOCATION



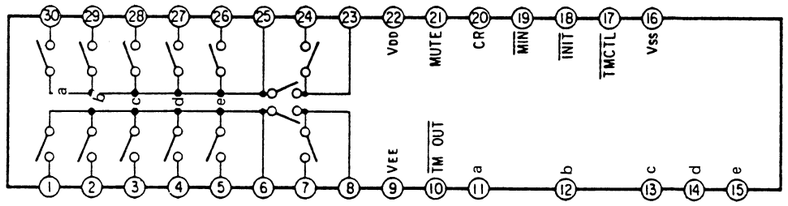




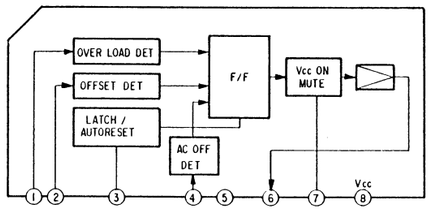
- IC061 LA1851N



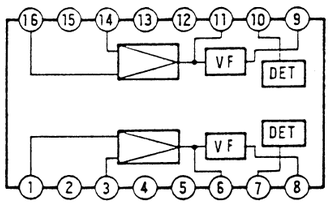
- IC202 LC7818



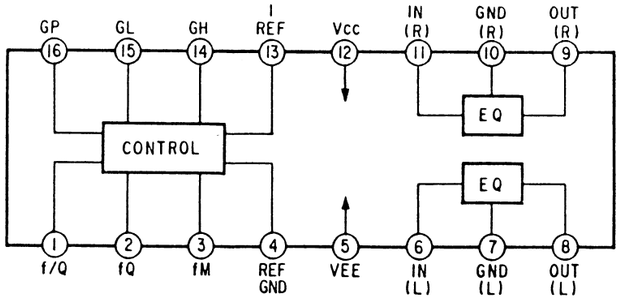
- IC402 μ1237HA



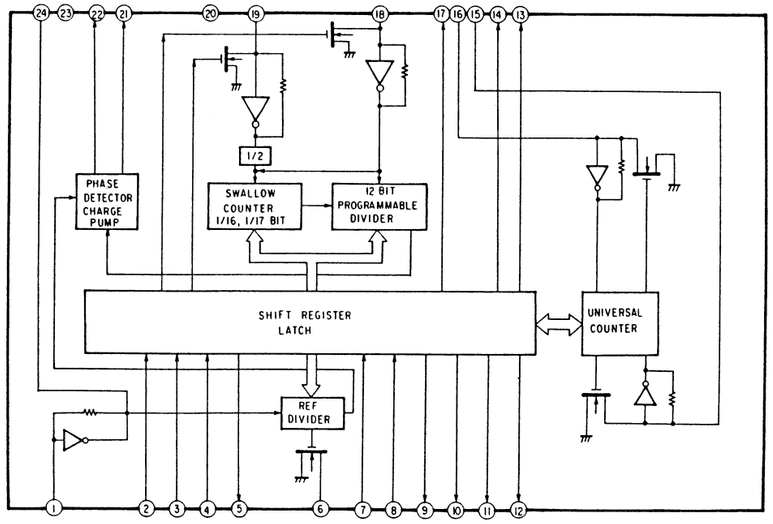
- IC602 CXA1100P



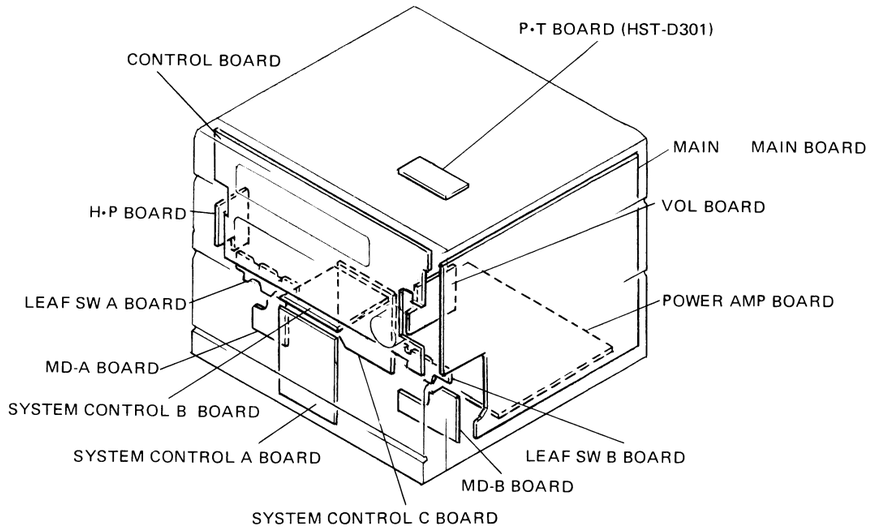
- IC603 CXA1198AP



- IC101 LC7218



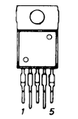
3-5. SIRCUIT BOARDS LOCATION



3-6. SEMICONDUCTOR LEAD LAYOUTS

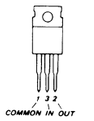
μPC1237HA

L78MR006

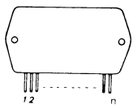


M5F7805
M5F7807
M5F7812

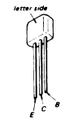
M5F7907



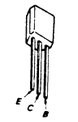
STK4132 II
STK4152 II
STK4172 II



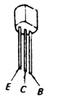
BA1A4M-TP
2SC2785



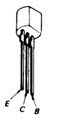
DTA114ES
DTC114ES
2SC2724



2SA1409
2SA733
2SB1013
2SB1187-EF
2SC1841
2SC3112
2SD1387

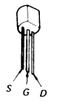


2SB1014

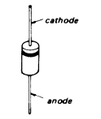


2SD774

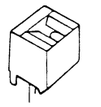
2SK246GR



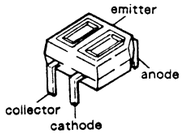
HZS-6C31
US1060M
UZL-7H3
UZL-27M
UZP-6.8B
10E2N



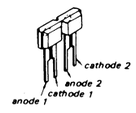
GP1U52



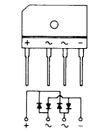
GP2S09



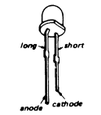
KV1230-D



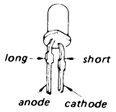
RBV-402-01
RBV-602



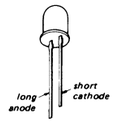
SEL2210SC



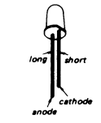
SEL-2410EC



SEL4414E-D
SEL4914D



SEL1210S



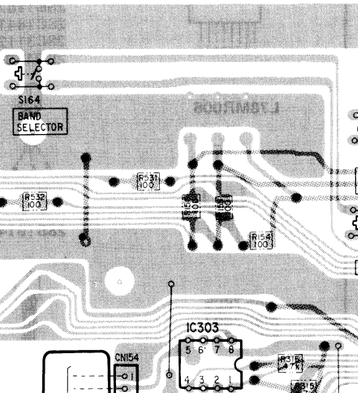
3-7. PRINTED WIRING BOARDS

—Main Section—

【CONTROL BOARD】

【MAIN BOARD】

【VOL BOARD】



* 0501: E Model only.
LEDs are built in RV201 – 205 and RV251 – 255.

S202
WG, IT, AEP, UK Model DBFB ON
E Model SAT OFF

CP151 (220p x 8)

TO DECK B

TO DECK A

- ○——: Parts extracted from the component side.
- ■ : Parts mounted on the conductor side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▧ : Pattern of the rear side.
- [ ] : Resistor components printed on the rear side.

● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D021	C-25	D158	B-7	D602	J-21	IC061	C-20	IC903	G-35	Q051	C-27	Q304	C-14
D022	C-26	D161	B-8	D603	J-21	IC101	B-21	IC904	G-35	Q061	E-61	Q401	B-34
D023	C-26	D163	A-7	D901	F-31	IC153	B-10	IC905	E-30	Q062	E-20	Q402	B-31
D024	E-25	D165	B-7	D902	F-32	IC201	G-25			Q063	F-21	Q451	A-34
D025	C-22	D166	B-7	D903	H-4	IC202	H-25	Q001	D-22	Q064	E-24	Q501	H-21
D026	D-22	D167	B-7	D904	H-4	IC203	H-23	Q002	D-22	Q065	E-21	Q502	I-23
D031	E-24	D174	B-13	D905	H-4	IC204	E-9	Q003	C-23	Q101	B-23	Q503	H-19
D032	E-26	D201	B-31	D906	H-4	IC205	E-8	Q004	D-23	Q102	A-23	Q551	H-21
D033	E-25	D301	F-8	D907	E-30	IC206	F-4	Q021	D-24	Q103	B-23	Q552	H-23
D041	F-25	D302	F-9	D908	J-30	IC301	B-13	Q022	D-24	Q104	C-23	Q553	I-19
D042	F-26	D303	F-10	D909	G-32	IC302	C-12	Q023	D-24	Q151	C-13	Q601	G-20
D043	E-25	D304	F-12	D910	G-32	IC303	D-3	Q024	D-25	Q152	B-13	Q602	I-18
D061	F-23	D305	C-14	D911	G-32	IC401	E-35	Q025	D-24	Q201	H-24	Q603	G-20
D151	B-12	D306	F-7	D912	G-32	IC402	C-31	Q031	E-23	Q202	F-5	Q718	F-30
D152	B-12	D401	A-34	D913	G-31	IC601	H-21	Q032	E-23	Q203	G-6	Q901	E-30
D153	A-11	D402	D-31	D914	G-31	IC602	I-21	Q033	D-23	Q204	H-25	Q902	D-31
D154	B-8	D403	B-31	D915	E-31	IC603	H-19	Q034	E-24	Q251	H-24	Q903	E-31
D155	B-8	D406	C-32	D916	G-32	IC604	I-19	Q041	F-23	Q252	F-5		
D156	A-7	D451	A-34	D917	F-32	IC901	D-30	Q042	F-23	Q253	G-6		
D157	B-8	D601	G-19			IC902	F-35	Q043	F-24	Q301	C-14		

【MAIN BOARD】

【POWER AMP BOARD】

acted from the component side.
nted on the conductor side.
le.
the side which is seen.
the rear side.
components printed on the rear side.

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

【POWER AMP BOARD】

【H·P BOARD】

【P·T BOARD】

TO SYSTEM CONTROL C BOARD

TO CHASSIS

3-8. SCHEMATIC DIAGRAM —Main Section—

- See page 17 for Semiconductor Lead Layouts.
- See page 16 for Circuit Boards Location and IC Block Diagram.

【MAIN BOARD (1/3)】

【CONTROL BOARD (1/2)】

The above LEDs are built in RV201-205 and RV251-255.

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

[CONTROL BOARD (2/2)]

FL101

IC061
AM RF/CONVERSION
IF DET/FM DET/MPX
SEE THE RIGHT END FOR IC601 PIN VOLTAGES.

IC153
PLL CONTROLLER

IC303 MOTOR DRIVE

IC302 SIRCS

IC401
POWER AMP

IC402 PROTECT

[POWER AMP BOARD(1/3)]

[HP BOARD]

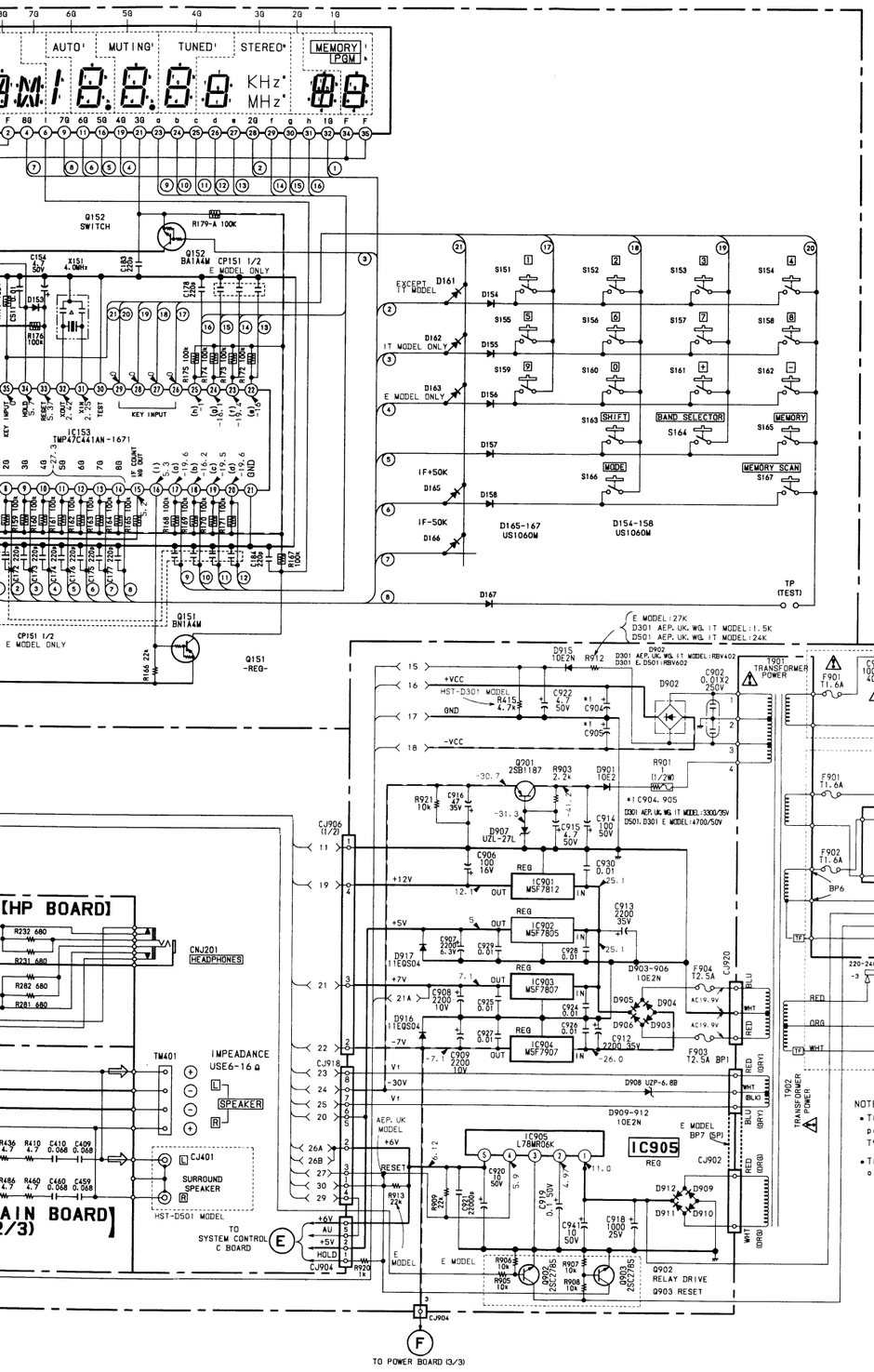
[MAIN BOARD (2/3)]

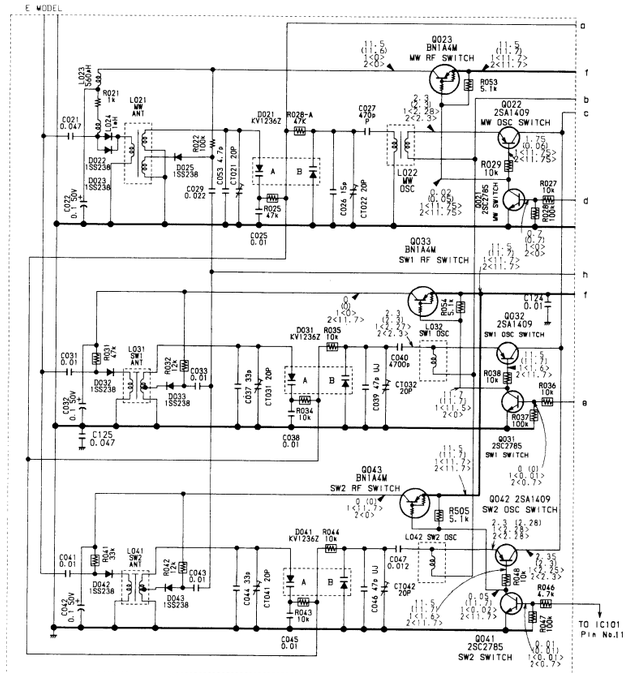
[VOL BOARD (2/2)]

IC061

Pin No.	FM	MW	LW	SW1	SW2	Pin No.
1	2.12	2.35	2.35	1.5	2.3	16
2	2.14	2.35	2.35	0	2.3	17
3	8.9	8.7	8.7	0.7	8.8	18
4	2.1	2.3	2.3	0.8	2.3	19
5	0	0.6	0.6	0.8	0.5	20
6	2.3	2.3	2.3	5.4	2.2	21
7	8.8	8.7	8.7	5.2	8.8	22
8	2.9	2.3	2.3	0	2.3	23
9	2.3	2.3	2.3	2.4	2.2	24
10	8.1	8	8	8.6	8.2	25
11	7.4	7.2	7.2	8.8	7.3	26
12	0.49	0.49	0.49	2.3	0.4	27
13	6.7	6.6	6.6	2.3	6.7	28
14	2.6	2.6	2.6	2.3	2.3	29
15	2.6	2.6	2.6	0.8	2.9	30

NOTE:
- The E model uses two power transformers, T901 and T902.
- The colors in brackets are the E model.

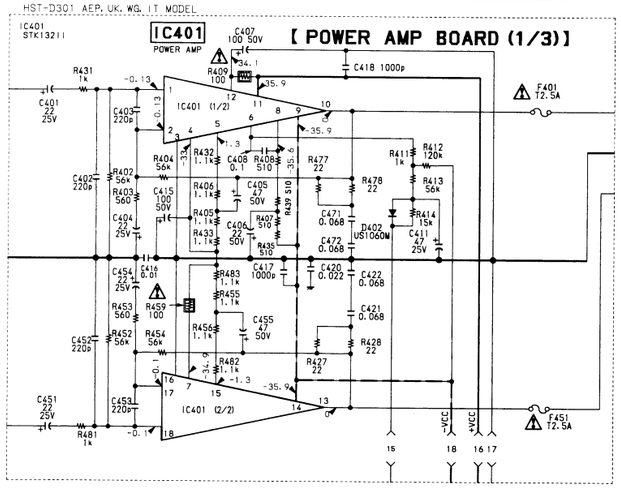




IC061

Pin No.	FM	MW	LW	SW1	SW2	Pin No.	FM	MW	LW	SW1	SW2
1	2.12	2.35	2.35	1.5	2.3	16	1.4	1.4	1.4	2.47	1.7
2	2.14	2.35	2.35	0	2.3	17	0	0	0	2.4	0
3	8.9	8.7	8.7	0.7	8.8	18	4.26	0.7	0.7	8.9	8.7
4	2.1	2.3	2.3	0.8	2.3	19	0.17	0.17	0.17	2.3	0.2
5	0	0.6	0.6	0.8	0.5	20	NC	NC	NC	NC	NC
6	2.3	2.3	2.3	5.4	2.2	21	5.2	5.2	5.2	2.2	5.4
7	8.8	8.7	8.7	5.2	8.8	22	4.6	4.6	4.6	8.8	5.2
8	2.9	2.3	2.3	0	2.3	23	GND	GND	GND	GND	GND
9	2.3	2.3	2.3	2.4	2.2	24	2.1	2.3	2.3	2.2	2.4
10	8.1	8	8	8.6	8.2	25	0.08	0.6	0.6	8.2	0.5
11	7.4	7.2	7.2	8.8	7.3	26	8.9	8.7	8.7	7.4	8.8
12	0.49	0.49	0.49	2.3	0.4	27	2.3	2.3	2.3	0.44	2.3
13	6.7	6.6	6.6	2.3	6.7	28	2.3	2.3	2.3	6.7	2.3
14	2.6	2.6	2.6	2.3	2.3	29	1.7	2.2	2.2	2.3	2.3
15	2.6	2.6	2.6	0.8	2.3	30	0.5	0.7	0.7	2.3	0.8

HST-D301 AEP, UK, WG, IT MODEL

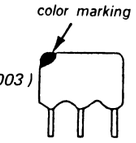


- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : printed resistor.
- : B +Line
- : B −Line
- : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark: FM
  《 》 : REC
  ( ) : MW
  [ ] : LW 〈 〉 : PLAY
- Voltages are taken with a VOM. (Input impedance 10MΩ) Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
  : PB REC
  : PHONO

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Note on Ceramic Filter (CF001, 002, 003) Replacement.

This set employs two ceramic filters (CF001, 002, 003) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by D105, D166 mounted is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



○ : Mounted
× : not Mounted

Ceramic filter		Mount		FM intermediate fequency (MHz)
Color mark	Center frequency (MHz)	IF−50K D166	IF + 50K D165	
White	10.750	×	○	10.750
Red	10.700	×	×	10.700
Black	10.650	○	×	10.650

FM intermediate frequency is determined by the three types as shown above. Ceramic filters of same center frequency,i., of same color coding should be used for CF001, CF002 and CF003.

When replacing the ceramic filters, perform the FM Discriminator Adjustment.

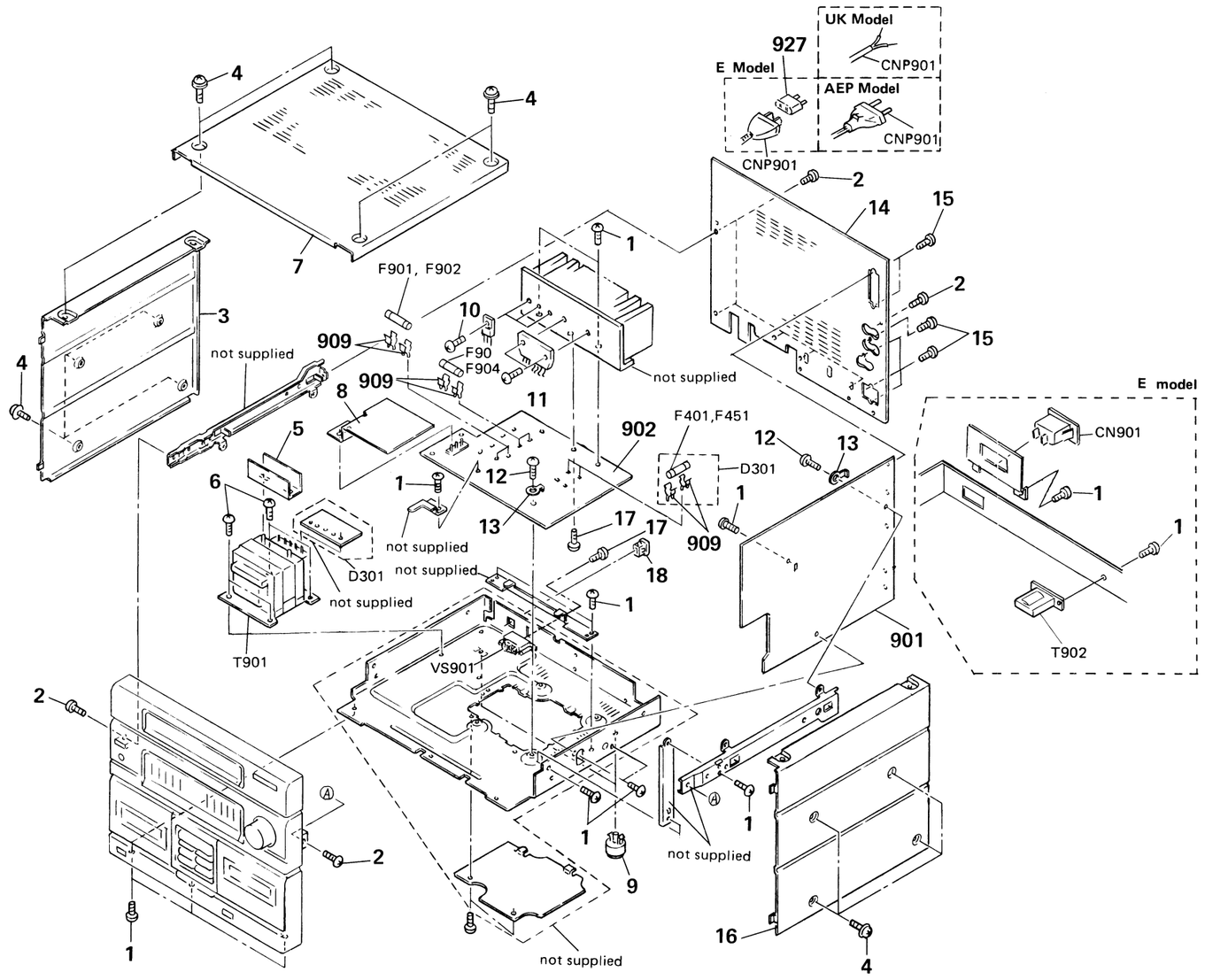
SECTION 4
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

1. CASE



No.	Part No.	Description	Remarks
1	7-682-548-04	SCREW +BVTT 3X8 (S)	
2	2-383-566-00	SCREW	
3	4-929-950-01	CASE (LEFT)(GRAY)	
	4-929-950-61	CASE (LEFT)(WHITE)	
4	4-929-973-01	SCREW (CASE, 3 POINT)(GRAY)	
	4-929-973-11	SCREW (CASE,3 POINT)(WHITE)	
5	*4-930-709-01	INSULATOR (TR)	
6	7-682-561-04	SCREW +BVTT 4X8 (S)	
7	4-923-182-51	CASE (T)(GRAY)	
	4-929-182-81	CASE (T)(WHITE)	
8	*4-929-965-02	INSULATOR (AC)	
9	X-4864-303-0	FOOT ASSY	
10	7-682-648-09	SCREW +PSW 3X8	
11	4-928-635-11	SCREW, +BV (2.6X16) TAPPING	
12	3-703-685-21	SCREW (+BV 3X8)	
13	*3-346-266-12	PLATE, GROUND	
14	*4-929-905-01	(D501CD).....PANEL, BACK	
	*4-929-905-21	(D501:WG)....PANEL, BACK	
	*4-929-905-31	(D501:IT)....PANEL, BACK	
	*4-929-905-51	(D501:E).....PANEL, BACK	
	*4-929-905-61	(D501:AEP)...PANEL, BACK	
	*4-929-905-71	(D501CDM)....PANEL, BACK	
	*4-929-944-01	(D301:UK)....PANEL, BACK	
	*4-929-944-21	(D301:WG)....PANEL, BACK	
	*4-929-944-31	(D301:IT)....PANEL, BACK	
	*4-929-944-51	(D301:E).....PANEL, BACK	
	*4-929-944-61	(D301:AEP)...PANEL, BACK	
	*4-929-944-71	(D301CD).....PANEL, BACK	
15	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
16	4-929-951-01	CASE (RIGHT)(GRAY)	
	4-929-951-61	CASE (REGHT)(WHITE)	
17	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
18	*3-703-244-00	(AEP,UK,WG,IT) ...BUSHING (2104), CORD	
	*3-703-571-00	(E).....BUSHING (S)(4516), CORD	
901	*A-4333-438-A	(D501:UK)....MOUNTED PCB, MAIN	
	*A-4333-444-A	(D501:AEP)...MOUNTED PCB, MAIN	
	*A-4333-672-A	(D501:WG)....MOUNTED PCB, MAIN	
	*A-4333-677-A	(D501:E).....MOUNTED PCB, MAIN	
	*A-4333-714-A	(D501:IT)....MOUNTED PCB, MAIN	
	*A-4333-493-A	(D301:WG)....MOUNTED PCB, MAIN	
	*A-4333-497-A	(D301:IT)....MOUNTED PCB, MAIN	
	*A-4333-501-A	(D301:E).....MOUNTED PCB, MAIN	
	*A-4410-936-A	(D301:UK)....MOUNTED PCB, MAIN	
	*A-4410-937-A	(D301:AEP)...MOUNTED PCB, MAIN	

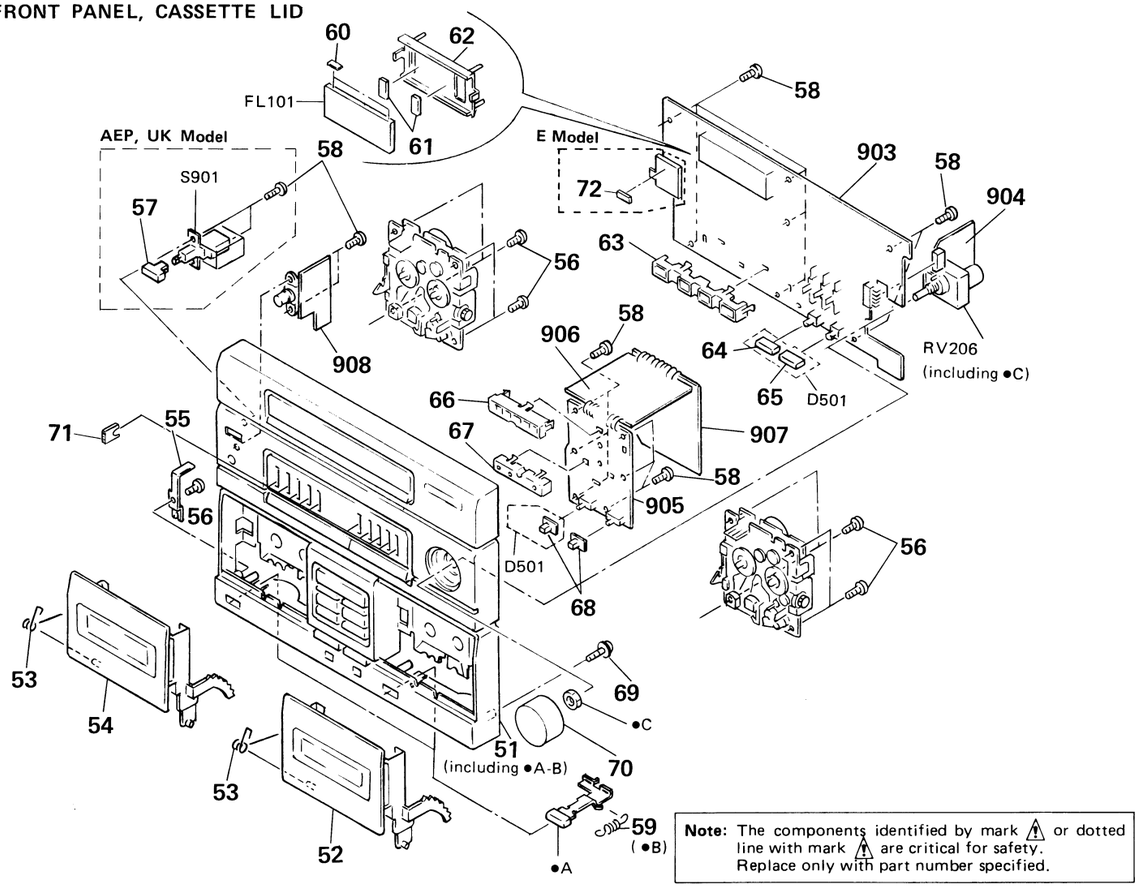
No.
902
909
927
CN901
⚠CNP901
⚠CNP901
⚠CNP901
⚠CNP901
F401 ⚠
F451 ⚠
F901 ⚠
F902 ⚠
F903 ⚠
F904 ⚠
T901 ⚠
T901 ⚠
T901
T901 ⚠
T901 ⚠
T901 ⚠
T902 ⚠

art No.	Description	Remarks
-682-548-04	SCREW +BVTT 3X8 (S)	
-383-566-00	SCREW	
-929-950-01	CASE (LEFT)(GRAY)	
-929-950-61	CASE (LEFT)(WHITE)	
-929-973-01	SCREW (CASE, 3 POINT)(GRAY)	
-929-973-11	SCREW (CASE,3 POINT)(WHITE)	
-930-709-01	INSULATOR (TR)	
-682-561-04	SCREW +BVTT 4X8 (S)	
-923-182-51	CASE (T)(GRAY)	
-929-182-81	CASE (T)(WHITE)	
-929-965-02	INSULATOR (AC)	
-4864-303-0	FOOT ASSY	
-682-648-09	SCREW +PSW 3X8	
-928-635-11	SCREW, +BV (2.6X16) TAPPING	
-703-685-21	SCREW (+BV 3X8)	
-346-266-12	PLATE, GROUND	
-929-905-01	(D501CD).....PANEL, BACK	
-929-905-21	(D501:WG)....PANEL, BACK	
-929-905-31	(D501:IT)....PANEL, BACK	
-929-905-51	(D501:E).....PANEL, BACK	
-929-905-61	(D501:AEP)...PANEL, BACK	
-929-905-71	(D501CDM)....PANEL, BACK	
-929-944-01	(D301:UK)....PANEL, BACK	
-929-944-21	(D301:WG)....PANEL, BACK	
-929-944-31	(D301:IT)....PANEL, BACK	
-929-944-51	(D301:E).....PANEL, BACK	
-929-944-61	(D301:AEP)...PANEL, BACK	
-929-944-71	(D301CD).....PANEL, BACK	
-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
-929-951-01	CASE (RIGHT)(GRAY)	
-929-951-61	CASE (REGHT)(WHITE)	
-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
-703-244-00	(AEP,UK,WG,IT) ...BUSHING (2104), CORD	
-703-571-00	(E).....BUSHING (S)(4516), CORD	
-4333-438-A	(D501:UK)....MOUNTED PCB, MAIN	
-4333-444-A	(D501:AEP)...MOUNTED PCB, MAIN	
-4333-672-A	(D501:WG)....MOUNTED PCB, MAIN	
-4333-677-A	(D501:E).....MOUNTED PCB, MAIN	
-4333-714-A	(D501:IT)....MOUNTED PCB, MAIN	
-4333-493-A	(D301:WG)....MOUNTED PCB, MAIN	
-4333-497-A	(D301:IT)....MOUNTED PCB, MAIN	
-4333-501-A	(D301:E).....MOUNTED PCB, MAIN	
-4410-936-A	(D301:UK)....MOUNTED PCB, MAIN	
-4410-937-A	(D301:AEP)...MOUNTED PCB, MAIN	

No.	Part No.	Description	Remarks
902	*A-4333-443-A	(D501:UK)...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-445-A	(D501:AEP)..MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-671-A	(D501:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-676-A	(D501:E)....MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-494-A	(D301:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-502-A	(D301:E)....MOUNTED PCB, POWER AMPLIFIER	
	*A-4388-817-A	(D301:UK) ..MOUNTED PCB, POWER AMPLIFIER	
	*A-4388-818-A	(D301:AEP)..MOUNTED PCB, POWER AMPLIFIER	
909	1-533-183-11	HOLDER, FUSE	
927	1-526-565-00	(E)...PC PLUG ADAPTOR	
CN901	⚠1-526-774-11	(E)...OUTLET, AC	
⚠CNP901	1-551-188-XX	(E).....CORD, POWER	
⚠CNP901	1-555-795-00	(WG,IT)...CORD, POWER	
⚠CNP901	1-556-035-00	(UK)....CORD, POWER	
⚠CNP901	1-558-944-11	(AEP)...CORD, POWER	
F401	⚠1-532-286-00	(D301:AEP,UK,WG,IT) ...FUSE, TIME-LAG (T2.5A)	
F451	⚠1-532-286-00	(D301:AEP,UK,WG,IT) ...FUSE, TIME-LAG (T2.5A)	
F901	⚠1-532-259-00	FUSE, TIME-LAG (T1.6A)	
F902	⚠1-532-259-00	(E)...FUSE, TIME-LAG (T1.6A)	
F903	⚠1-532-286-00	FUSE, TIME-LAG (T2.5A)	
F904	⚠1-532-286-00	FUSE, TIME-LAG (T2.5A)	
T901	⚠1-449-545-13	(D301:AEP,WG,IT)...TRANSFORMER, POWER	
T901	⚠1-449-546-13	(D301:UK).....TRANSFORMER, POWER	
T901	⚠1-449-547-11	(D301:E).....TRANSFORMER, POWER	
T901	⚠1-449-648-12	(D501:UK).....TRANSFORMER, POWER	
T901	⚠1-449-649-12	(D501:AEP,WG,IT)...TRANSFORMER, POWER	
T901	⚠1-449-796-11	(D501:E).....TRANSFORMER, POWER	
T902	⚠1-449-548-11	(E)...TRANSFORMER, POWER	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

2. FRONT PANEL, CASSETTE LID



Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remarks
51	X-4929-916-1	(D501:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-917-1	(D501:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-921-1	(D301:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-922-1	(D301:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-935-1	(D501:AEP,UK)...PANEL ASSY, FRONT (WHITE)	
52	X-4929-915-1	(D501)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-920-1	(D301)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-934-1	(D501:AEP,UK) ...HOLDER (B) ASSY, CASSETTE (WHITE)	
53	4-924-506-01	SPRING (LOADING)	
54	X-4929-914-1	(D501)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-919-1	(D301)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-933-1	(D501:AEP,UK) ...HOLDER (A) ASSY, CASSETTE (WHITE)	
55	*4-929-959-01	BRACKET (HOLDER H)	
56	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
57	4-929-933-01	(AEP,UK,WG,IT)...BUTTON (POP)(GRAY)	
	4-929-933-21	(D501:AEP,UK)...BUTTON (POP)(WHITE)	
58	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
59	4-885-182-11	SPRING, TENSION	
60	9-911-863-XX	SPACER	
61	*4-921-941-21	CUSHION (FL)	
62	*4-923-103-01	HOLDER, FL TUBE	
63	*4-929-936-01	HOLDER (FU), LED	
64	4-929-929-21	(D501:AEP,UK,WG,IT) ...BUTTON (S. D)(DBFB)(GRAY)	
	4-930-708-01	(D501:AEP,UK)...BUTTON (S.D)(DBFB)(WHITE)	
	4-929-929-61	(D501:E)....BUTTON (S. D)(SAT)	

No.	Part No.	Description	Remarks
65	4-929-929-51	(D501)...BUTTON (S. D)(SURROUND)(GRAY)	
	4-930-708-11	(D501:AEP,UK)...BUTTON (S.D)(SURROUND)(WHITE)	
66	*4-929-926-01	HOLDER (D. R), LED	
67	*4-929-928-01	HOLDER (CA), LED	
68	4-922-518-01	KNOB (TIMER)(GRAY)	
	4-922-518-31	KNOB (TIMER)(WHITE)	
69	3-341-549-21	SCREW(2.6X12)(DIA.7.5), +PTP WH	
70	4-929-935-01	KNOB (VO)(GRAY)	
	4-929-935-41	KNOB (VO)(WHITE)	
71	4-911-230-01	KNOB, SLIDE	
72	4-929-927-01	(E)...BUTTON (P.O.T)(POWER)	
903	*A-4333-439-A	(D501:AEP,UK)...MOUNTED PCB, CONTROL	
	*A-4333-673-A	(D501:WG).....MOUNTED PCB, CONTROL	
	*A-4333-675-A	(D501:IT).....MOUNTED PCB, CONTROL	
	*A-4333-678-A	(D501:E).....MOUNTED PCB, CONTROL	
	*A-4333-495-A	(D301:WG).....MOUNTED PCB, CONTROL	
	*A-4333-498-A	(D301:E).....MOUNTED PCB, CONTROL	
	*A-4333-499-A	(D301:IT).....MOUNTED PCB, CONTROL	
	*A-4375-436-A	(D301:AEP,UK)...MOUNTED PCB, CONTROL	
904	*1-629-923-11	PC BOARD, VOL	
905	*1-629-859-11	PC BOARD, SYSTEM CONTROL (A)	
906	*1-629-860-11	PC BOARD, SYSTEM CONTROL (B)	
907	*1-629-861-11	PC BOARD, SYSTEM CONTROL (C)	
908	*1-629-858-11	PC BOARD, H.P	
FL101	1-519-512-11	INDICATOR TUBE, FLUORESCENT	
S901	⚠1-553-318-31	(AEP,UK,WG,IT)...SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	

3. Tape Transpo
D301, DECK
D301, DECK

157
156
153
15
17

No.	Part No.	Descrip
151	*X-3343-418-1	(D501).
	*X-3343-420-2	(D301).
152	3-343-477-01	SPRING,
153	*3-343-476-01	LEVER (
154	7-685-102-19	SCREW +
155	X-3343-403-1	(D501).
156	3-343-474-01	SPRING,
157	3-558-708-21	WASHER,
158	*4-930-729-01	LEVER (
159	*3-343-450-01	LEVER (
160	3-343-401-01	SPRING,
161	*X-3343-410-1	BRACKET
162	7-621-773-86	SCREW +
163	3-343-439-01	CAP (RE
164	X-3343-415-1	TABEL (
165	X-3343-401-1	TABEL A
166	3-343-420-01	SPRING,
167	7-621-255-15	SCREW +

Remarks

WER AMPLIFIER
WER AMPLIFIER

WER AMPLIFIER
WER AMPLIFIER

WER AMPLIFIER
WER AMPLIFIER
WER AMPLIFIER
WER AMPLIFIER

2.5A)

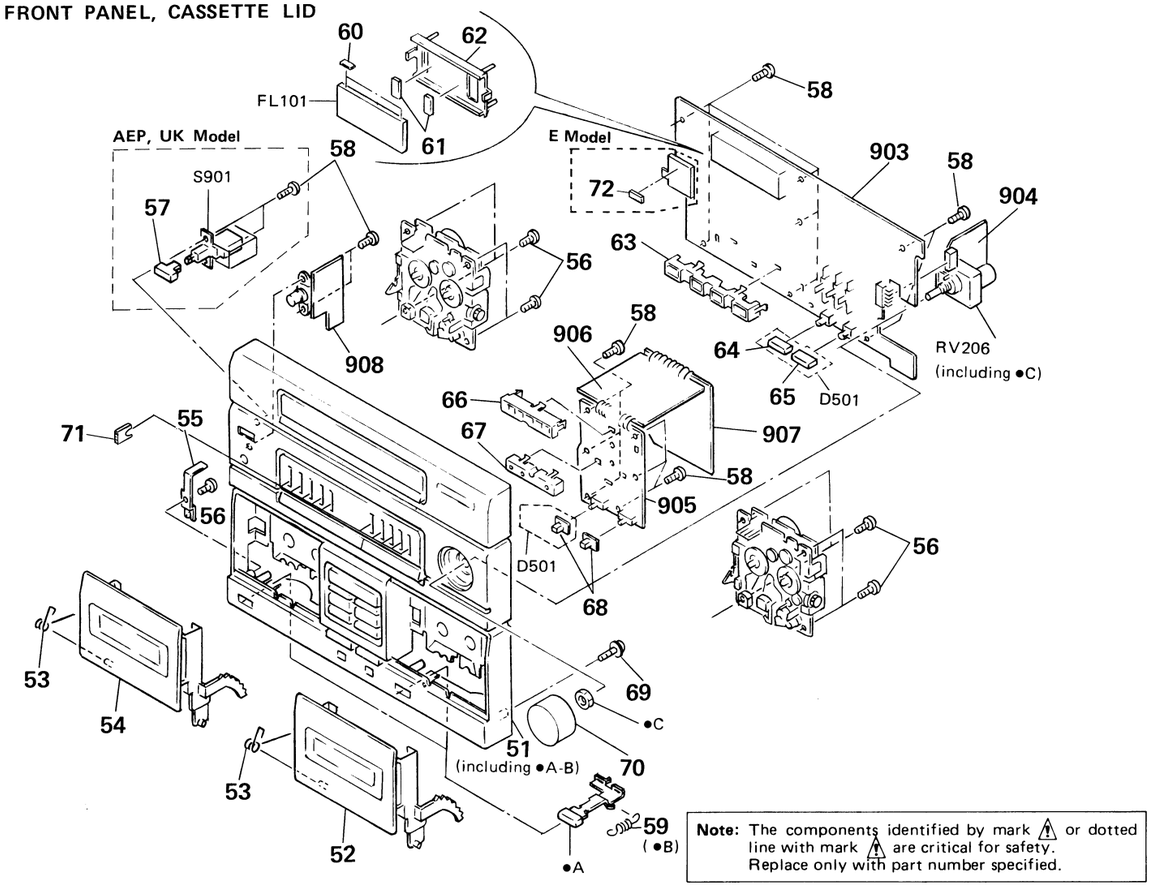
2.5A)

)

MER, POWER
MER, POWER
MER, POWER
MER, POWER
MER, POWER
MER, POWER

or dotted

2. FRONT PANEL, CASSETTE LID

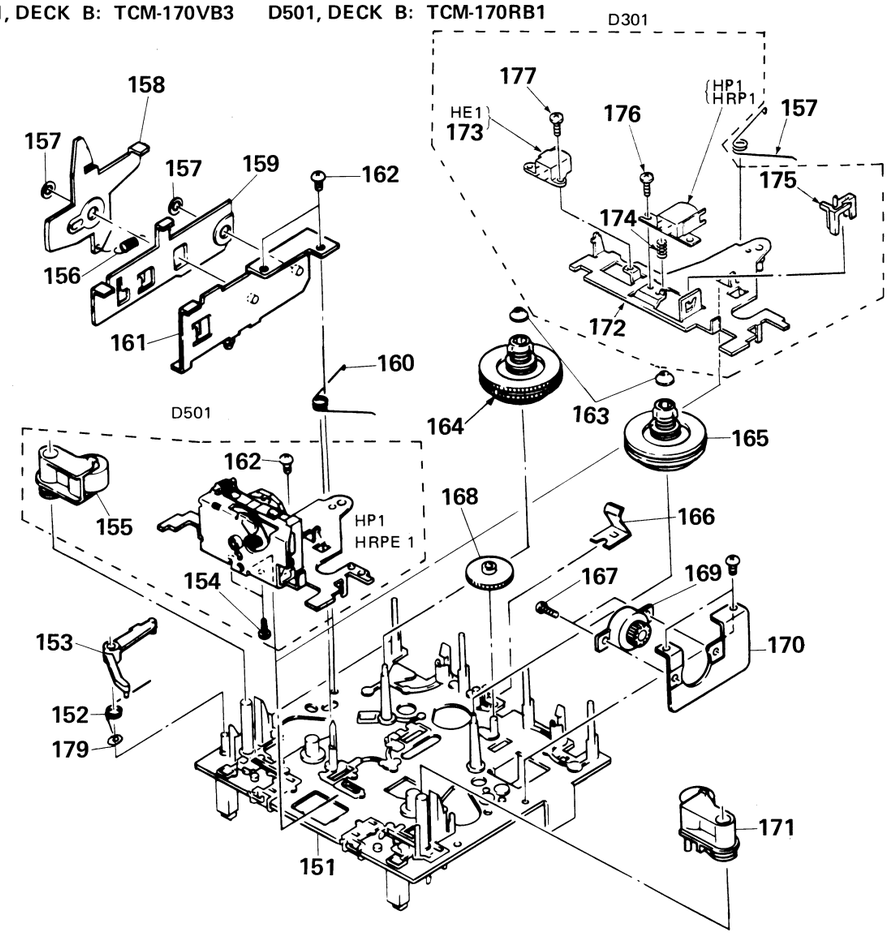


Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
51	X-4929-916-1	(D501:E).....PANEL ASSY, FRONT(GRAY)	
	X-4929-917-1	(D501:AEP,UK,WG,IT) ...PANEL ASSY, FRONT(GRAY)	
	X-4929-921-1	(D301:E).....PANEL ASSY, FRONT(GRAY)	
	X-4929-922-1	(D301:AEP,UK,WG,IT) ...PANEL ASSY, FRONT(GRAY)	
	X-4929-935-1	(D501:AEP,UK)...PANEL ASSY, FRONT (WHITE)	
52	X-4929-915-1	(D501)...HOLDER (B) ASSY, CASSETTE(GRAY)	
	X-4929-920-1	(D301)...HOLDER (B) ASSY, CASSETTE(GRAY)	
	X-4929-934-1	(D501:AEP,UK) ...HOLDER (B) ASSY, CASSETTE(WHITE)	
53	4-924-506-01	SPRING (LOADING)	
54	X-4929-914-1	(D501)...HOLDER (A) ASSY, CASSETTE(GRAY)	
	X-4929-919-1	(D301)...HOLDER (A) ASSY, CASSETTE(GRAY)	
	X-4929-933-1	(D501:AEP,UK) ...HOLDER (A) ASSY, CASSETTE(WHITE)	
55	*4-929-959-01	BRACKET (HOLDER H)	
56	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
57	4-929-933-01	(AEP,UK,WG,IT)...BUTTON (POP)(GRAY)	
	4-929-933-21	(D501:AEP,UK)...BUTTON (POP)(WHITE)	
58	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
59	4-885-182-11	SPRING, TENSION	
60	9-911-863-XX	SPACER	
61	*4-921-941-21	CUSHION (FL)	
62	*4-923-103-01	HOLDER, FL TUBE	
63	*4-929-936-01	HOLDER (FU), LED	
64	4-929-929-21	(D501:AEP,UK,WG,IT) ...BUTTON (S. D)(DBFB)(GRAY)	
	4-930-708-01	(D501:AEP,UK)...BUTTON (S.D)(DBFB)(WHITE)	
	4-929-929-61	(D501:E)....BUTTON (S. D)(SAT)	
65	4-929-929-51	(D501)...BUTTON (S. D)(SURROUND)(GRAY)	
	4-930-708-11	(D501:AEP,UK)...BUTTON (S.D)(SURROUND)(WHITE)	
66	*4-929-926-01	HOLDER (D. R), LED	
67	*4-929-928-01	HOLDER (CA), LED	
68	4-922-518-01	KNOB (TIMER)(GRAY)	
	4-922-518-31	KNOB (TIMER)(WHITE)	
69	3-341-549-21	SCREW(2.6X12)(DIA.7.5), +PTP WH	
70	4-929-935-01	KNOB (VO)(GRAY)	
	4-929-935-41	KNOB (VO)(WHITE)	
71	4-911-230-01	KNOB, SLIDE	
72	4-929-927-01	(E)...BUTTON (P.O.T)(POWER)	
903	*A-4333-439-A	(D501:AEP,UK)...MOUNTED PCB, CONTROL	
	*A-4333-673-A	(D501:WG).....MOUNTED PCB, CONTROL	
	*A-4333-675-A	(D501:IT).....MOUNTED PCB, CONTROL	
	*A-4333-678-A	(D501:E).....MOUNTED PCB, CONTROL	
	*A-4333-495-A	(D301:WG).....MOUNTED PCB, CONTROL	
	*A-4333-498-A	(D301:E).....MOUNTED PCB, CONTROL	
	*A-4333-499-A	(D301:IT).....MOUNTED PCB, CONTROL	
	*A-4375-436-A	(D301:AEP,UK)...MOUNTED PCB, CONTROL	
904	*1-629-923-11	PC BOARD, VOL	
905	*1-629-859-11	PC BOARD, SYSTEM CONTROL (A)	
906	*1-629-860-11	PC BOARD, SYSTEM CONTROL (B)	
907	*1-629-861-11	PC BOARD, SYSTEM CONTROL (C)	
908	*1-629-858-11	PC BOARD, H.P	
FL101	1-519-512-11	INDICATOR TUBE, FLUORESCENT	
S901	⚠1-553-318-31	(AEP,UK,WG,IT)...SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	

3. Tape Transport MECHANISM (1)

D301, DECK A: TCM-170VA1 D501, DECK A: TCM-170RA1
D301, DECK B: TCM-170VB3 D501, DECK B: TCM-170RB1



No.	Part No.	Description	Remarks
151	*X-3343-418-1	(D501)...CHASSIS ASSY, MECHANICAL	
	*X-3343-420-2	(D301)...CHASSIS ASSY, MECHANICAL	
152	3-343-477-01	SPRING, TORSION (EJECT SAFTY)	
153	*3-343-476-01	LEVER (EJECT SAFETY LEVER)	
154	7-685-102-19	SCREW +P 2X4 NON-SLIT TYPE 2	
155	X-3343-403-1	(D501)...LEVER (PINCH LEVER REV) ASSY	
156	3-343-474-01	SPRING, TENSION	
157	3-558-708-21	WASHER, STOPPER	
158	*4-930-729-01	LEVER (LOCK LEVER)	
159	*3-343-450-01	LEVER (EJECT LEVER)	
160	3-343-401-01	SPRING, TORSION	
161	*X-3343-410-1	BRACKET (EJECT) ASSY	
162	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
163	3-343-439-01	CAP (REEL TABLE)	
164	X-3343-415-1	TABEL (REV) ASSY, REEL	
165	X-3343-401-1	TABEL ASSY, REEL	
166	3-343-420-01	SPRING, LEAF	
167	7-621-255-15	SCREW +PTT 2X3 (S)	
168	3-343-411-01	GEAR (FF GEAR)	
169	3-319-224-31	DAMPER, SMALL	
171	X-3343-402-1	LEVER (PINCH LEVER FWD) ASSY	
172	*X-3343-422-1	(D301)...SLIDER (HEAD CHASSIS ONE) ASSY	
173	3-319-716-01	(D301)...GUIDE, TAPE	
174	3-343-484-01	(D301)...SPRING, COMPRESSION	
175	3-343-485-02	(D301)...HOLDER (HEAD LEAD)	
176	3-701-465-11	(D301)...SCREW, LOCK SWRM 4+, CZN-N4+	
177	7-621-772-38	(D301)...SCREW +B 2X6	
178	7-621-770-87	SCREW +BVTT 2.6X5 (S)	
179	3-343-487-01	WASHER	
HE1	1-543-535-11	(D301:DECK B)...HEAD, MAGNETIC (ERASE)	
HP1	A-2108-129-A	(D501:DECK A)...CHASSIS ASSY, HEAD	
HP1	1-543-536-11	(D301:DECK A)...HEAD, MAGNETIC(PLAY BACK)	
HRP1	1-543-537-11	(D301:DECK B)...HEAD, MAGNETIC (REC/PB)	
HRP1	A-2108-130-A	(D501:DECK B)...CHASSIS ASSY, HEAD	

- See page 17 for Semiconductor Lead Layouts.
- See page 16 for Circuit Boards Location and IC Block Diagram.

【MAIN BOARD (1/3)】

【CONTROL BOARD (1/2)】

IC101 PLL

IC202 FUNCTION SELECT

IC203 MS218L LINE AMP

IC204 G.EQ AMP

IC205 G.EQ AMP

IC206 MS218L SURROUND AMP

IC201 MS218L PHONO AMP

IC303 MOTOR DRIVE

IC302 SIRCS

IC401 POWER AMP

IC061 AM RF/CONVERSION IF DET/FM DET/MPX

SEE THE RIGHT END FOR IC601 PIN VOLTAGES.

TO MAIN BOARD (3/3)

TO MAIN BOARD (3/3)

The above LEDs are built in RV201-205 and RV251-255.

13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29

[CONTROL BOARD (2/2)]

IC061
AM RF/CONVERSION
IF DET/FM DET/MPX
SEE THE RIGHT END FOR IC601 PIN VOLTAGES.

Q064, 065 BUFFER
Q063 MUTING
Q062 2SA1175
Q061 2SC2785
Q061, 062 VCO SWITCH
D061 1S1060M
L061 470μH
TUNER L
TUNER R
LPF061
LPF062
2SC2785

IC303 MOTOR DRIVE
IC301 LB1639
IC302 M50721-127P
Q301 2SC2785
D305 SEL2410E POWER
Q304 LED DRIVE
2SC2785

【VOL BOARD (2/2)】

CN221 CE SO DI CL SI DO STEREO IND TUNED IND MUTING GND
CN151
CN213 (1/2) GND +12V +7V -7V
CN152 (1/2) +5V AU +6V RESET
CN155 (2/2) SIREAL

FL101
AUTO MUTING TUNED STEREO MEMORY PGM
KHz MHz

IC153 PLL CONTROLLER
TMP47C441AN-1671
Q152 SWITCH
Q152 BA14AM CP151 1/2 E MODEL ONLY
Q151 BN14AM
Q151 -REG-
CP151 1/2 E MODEL ONLY
D151-153, 174 1S1060M
L151 100μH
L152 100μH
REMOCON
KEY INPUT

EXCEPT IT MODEL D161
IT MODEL ONLY D162
E MODEL ONLY D163
D154-158 1S1060M
D165-167 1S1060M
IF+50K D165
IF-50K D166
D167
S151 1 S152 2 S153 3 S154 4
S155 5 S156 6 S157 7 S158 8
S159 9 S160 0 S161 + S162 -
S163 SHIFT S164 BAND SELECTOR S165 MEMORY
S166 MODE S167 MEMORY SCAN
TP (TEST)

E MODEL
Q023 BN14AM MW RF SWITCH
Q022 2SA1408 MW OSC SW
Q033 BN14AM SW1 RF SWITCH
Q032 2SA1408 SW1 OSC SW
Q043 BN14AM SW2 RF SWITCH
Q042 2SA1408 SW2 OSC SW
Q041 2SC2785 SW2 SWITCH
L021 MW ANT
L022 MW OSC
L031 SW1 ANT
L032 SW1 OSC
L041 SW2 ANT
L042 SW2 OSC
D021 KV1236Z
D031 KV1236Z
D041 KV1236Z
D021-023, D031-033, D041-043 1SS238

IC061

Pin No.	FM	MW	LW	SW1	SW2	Pin No.	FM
1	2.12	2.35	2.35	1.5	2.3	16	1.4
2	2.14	2.35	2.35	0	2.3	17	0
3	8.9	8.7	8.7	0.7	8.8	18	4.28
4	2.1	2.3	2.3	0.8	2.3	19	0.17
5	0	0.6	0.6	0.8	0.5	20	NC
6	2.3	2.3	2.3	5.4	2.2	21	5.2
7	8.8	8.7	8.7	5.2	8.8	22	4.6
8	2.9	2.3	2.3	0	2.3	23	GND
9	2.3	2.3	2.3	2.4	2.2	24	2.1
10	8.1	8	8	8.6	8.2	25	0.08
11	7.4	7.2	7.2	8.8	7.3	26	8.9
12	0.49	0.49	0.49	2.3	0.4	27	2.3
13	6.7	6.6	6.6	2.3	6.7	28	2.3
14	2.6	2.6	2.6	2.3	2.3	29	1.7
15	2.6	2.6	2.6	0.8	2.3	30	0.5

【POWER AMP BOARD(1/3)】
HST-D301 E MODEL
HST-D501
SEE THE RIGHT END ON HST-D301 AEP, UK, WG, IT MODELS.

IC401
AEP, UK, WG, IT MODELS:STK4152II
E MODEL :STK4172II
POWER AMP
IC401 (1/2)
IC401 (2/2)
Q401 2SC1841
Q402 2SA1175
Q401, 402, 451 DC DET
IC402 μPC1237HA
IC402 PROTECT
D401 1S1060M
D403 1S1060M
D406 1S1060M
RY401

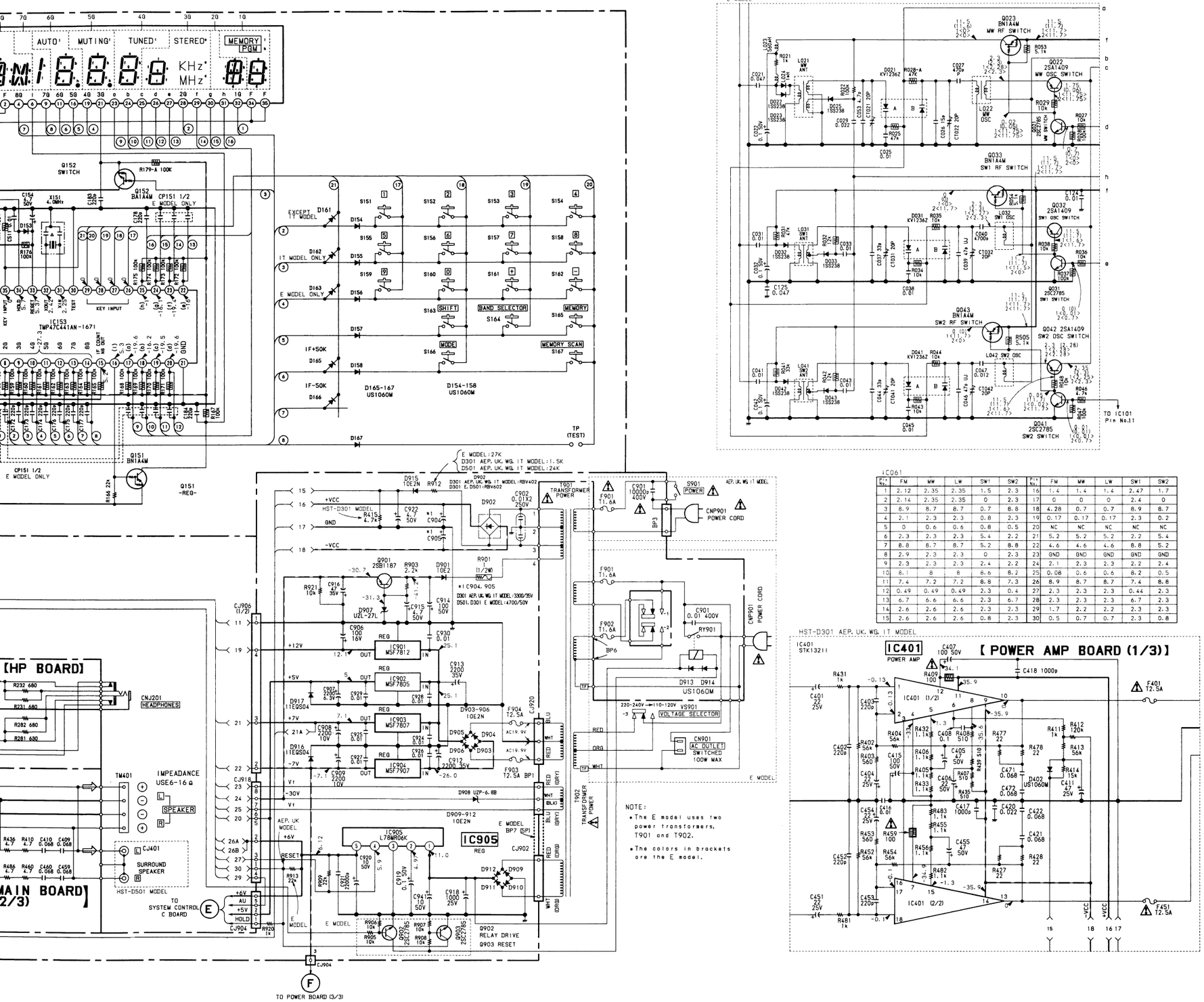
	AEP, UK, WG, IT	D301-E	D501-E
R405, 406, 432, 433, 435, 456, 482, 483	1.1K	1.6K	
R404, 454	56K	43K	47K
R235, 237, 285, C238, D201	USE		USE

CN201 【HP BOARD】
CNJ201 HEADPHONES
TM401 IMPEADANCE USE6-16Ω SPEAKER
CJ401 SURROUND SPEAKER
HST-D501 MODEL
【MAIN BOARD (2/3)】
TO SYSTEM CONTROL C BOARD (E)

E MODEL:27K
D301 AEP, UK, WG, IT MODEL:1.5K
D501 AEP, UK, WG, IT MODEL:24K
D902 D301 AEP, UK, WG, IT MODEL:RBV402 D301 E, D501:RBV602
T901 TRANSFORMER POWER
F901 T1.6A
F902 T1.6A
F903 T2.5A BP1
F904 T2.5A
S901 POWER
CNP901 POWER CORD
RY901
D913 D914 1S1060M
VS901 VOLTAGE SELECTOR
CN901 AC OUTLET SWITCHED 100W MAX
D907 UZL-27L
D908 UZP-6.8B
D909-912 1DE2N
IC901 M5F7812
IC902 M5F7805
IC903 M5F7807
IC904 M5F7907
IC905 L78MR06K REG
Q901 2SB1187
Q902 2SA1015
Q903 2SC2785
Q902 RELAY DRIVE
Q903 RESET
E MODEL
AEP, UK MODEL
TO POWER BOARD (3/3) (F)

NOTE:
- The E model uses two power transformers, T901 and T902.
- The colors in brackets are the E model.

HST-D301 AEP, UK, WG, IT MODEL
IC401 STK13211
IC401 POWER AMP
【POWER AMP



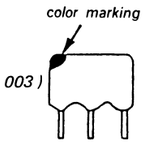
E MODEL
Q023 BN1A4M MW RF SWITCH
Q022 2SA1409 MW OSC SWITCH
Q033 BN1A4M SW1 RF SWITCH
Q032 2SA1409 SW1 OSC SWITCH
Q043 BN1A4M SW2 RF SWITCH
Q042 2SA1409 SW2 OSC SWITCH
Q041 2SC2785 SW2 SWITCH
Q031 2SC2785 SW1 SWITCH
TO IC101 Pin No.11

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Δ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : printed resistor.
- : B +Line
- : B −Line
- : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Voltage and waveforms are dc with respect to ground under no signal conditions.
  no mark: FM
  ( ) : REC
  ( ) : MW
  [ ] : LW 〈 〉 : PLAY
- Voltages are taken with a VOM. (Input impedance 10MΩ) Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
  : PB REC
  : PHONO

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Note on Ceramic Filter (CF001, 002, 003) Replacement.

This set employs two ceramic filters (CF001, 002, 003) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by D105, D166 mounted is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



○ : Mounted
× : not Mounted

Ceramic filter		Mount		FM intermediate fequency (MHz)
Color mark	Center frequency (MHz)	IF−50K D166	IF + 50K D165	
White	10.750	×	○	10.750
Red	10.700	×	×	10.700
Black	10.650	○	×	10.650

FM intermediate frequency is determined by the three types as shown above. Ceramic filters of same center frequency,i, of same color coding should be used for CF001, CF002 and CF003.

When replacing the ceramic filters, perform the FM Discriminator Adjustment.

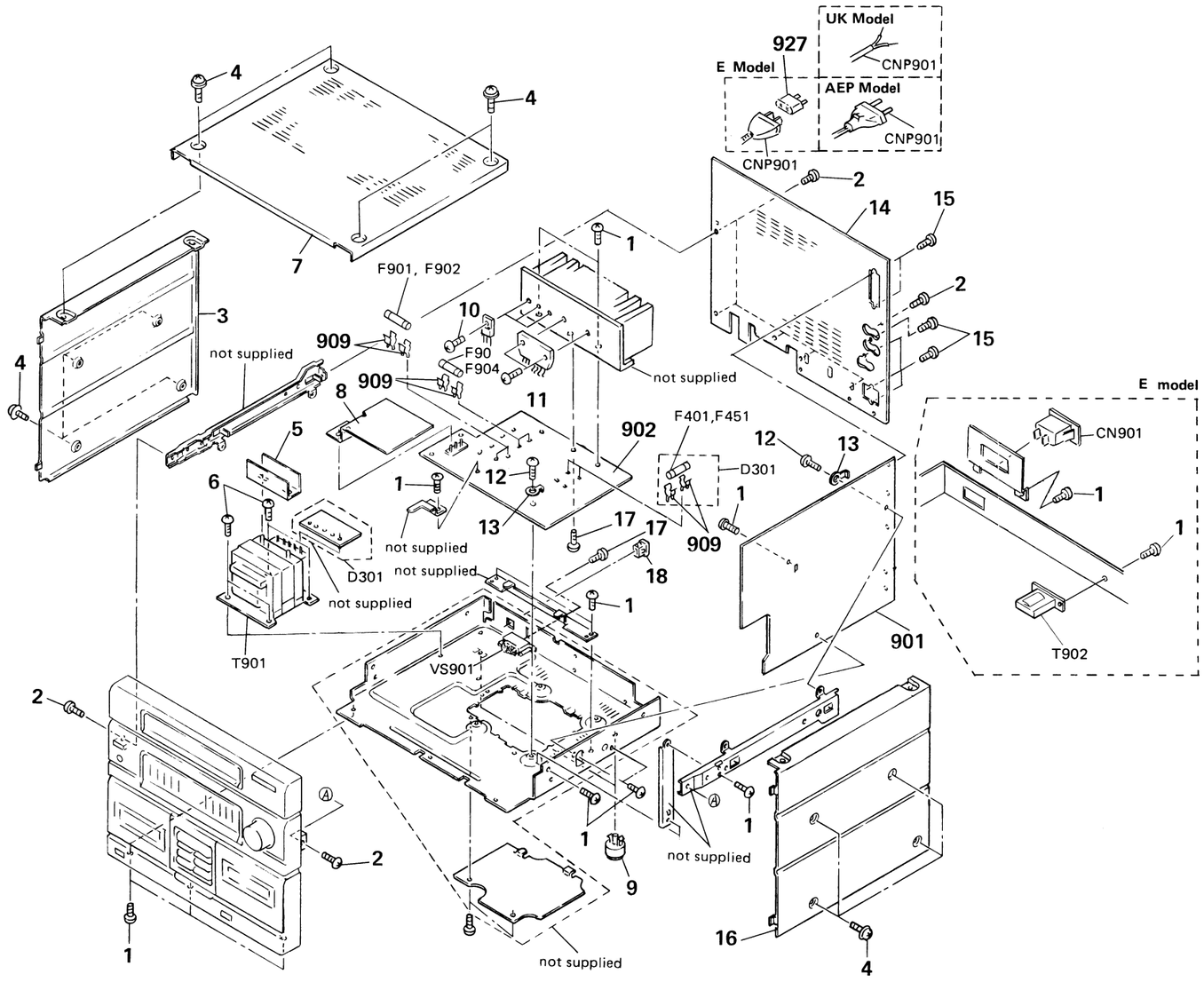
SECTION 4
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

1. CASE



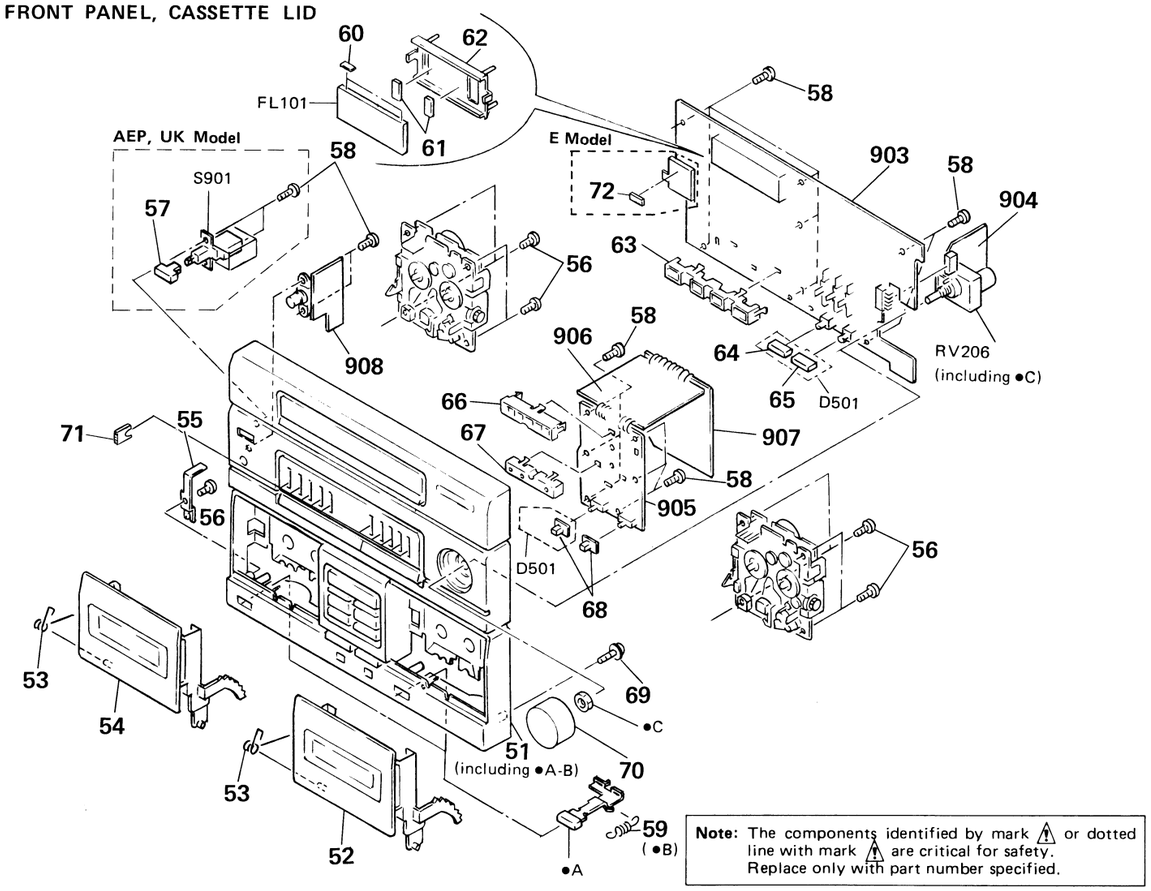
No.	Part No.	Description	Remarks
1	7-682-548-04	SCREW +BVTT 3X8 (S)	
2	2-383-566-00	SCREW	
3	4-929-950-01	CASE (LEFT)(GRAY)	
	4-929-950-61	CASE (LEFT)(WHITE)	
4	4-929-973-01	SCREW (CASE, 3 POINT)(GRAY)	
	4-929-973-11	SCREW (CASE,3 POINT)(WHITE)	
5	*4-930-709-01	INSULATOR (TR)	
6	7-682-561-04	SCREW +BVTT 4X8 (S)	
7	4-923-182-51	CASE (T)(GRAY)	
	4-929-182-81	CASE (T)(WHITE)	
8	*4-929-965-02	INSULATOR (AC)	
9	X-4864-303-0	FOOT ASSY	
10	7-682-648-09	SCREW +PSW 3X8	
11	4-928-635-11	SCREW, +BV (2.6X16) TAPPING	
12	3-703-685-21	SCREW (+BV 3X8)	
13	*3-346-266-12	PLATE, GROUND	
14	*4-929-905-01	(D501CD).....PANEL, BACK	
	*4-929-905-21	(D501:WG)....PANEL, BACK	
	*4-929-905-31	(D501:IT)....PANEL, BACK	
	*4-929-905-51	(D501:E).....PANEL, BACK	
	*4-929-905-61	(D501:AEP)...PANEL, BACK	
	*4-929-905-71	(D501CDM)....PANEL, BACK	
	*4-929-944-01	(D301:UK)....PANEL, BACK	
	*4-929-944-21	(D301:WG)....PANEL, BACK	
	*4-929-944-31	(D301:IT)....PANEL, BACK	
	*4-929-944-51	(D301:E).....PANEL, BACK	
	*4-929-944-61	(D301:AEP)...PANEL, BACK	
	*4-929-944-71	(D301CD).....PANEL, BACK	
15	7-685-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
16	4-929-951-01	CASE (RIGHT)(GRAY)	
	4-929-951-61	CASE (REGHT)(WHITE)	
17	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
18	*3-703-244-00	(AEP,UK,WG,IT) ...BUSHING (2104), CORD	
	*3-703-571-00	(E).....BUSHING (S)(4516), CORD	
901	*A-4333-438-A	(D501:UK)....MOUNTED PCB, MAIN	
	*A-4333-444-A	(D501:AEP)...MOUNTED PCB, MAIN	
	*A-4333-672-A	(D501:WG)....MOUNTED PCB, MAIN	
	*A-4333-677-A	(D501:E).....MOUNTED PCB, MAIN	
	*A-4333-714-A	(D501:IT)....MOUNTED PCB, MAIN	
	*A-4333-493-A	(D301:WG)....MOUNTED PCB, MAIN	
	*A-4333-497-A	(D301:IT)....MOUNTED PCB, MAIN	
	*A-4333-501-A	(D301:E).....MOUNTED PCB, MAIN	
	*A-4410-936-A	(D301:UK)....MOUNTED PCB, MAIN	
	*A-4410-937-A	(D301:AEP)...MOUNTED PCB, MAIN	
902			
909			
927			
CN901			
⚠CNP901			
⚠CNP901			
⚠CNP901			
⚠CNP901			
F401 ⚠			
F451 ⚠			
F901 ⚠			
F902 ⚠			
F903 ⚠			
F904 ⚠			
T901 ⚠			
T901 ⚠			
T901 ⚠			
T901 ⚠			
T901 ⚠			
T901 ⚠			
T902 ⚠			

No.	Description	Remarks
2-548-04	SCREW +BVTT 3X8 (S)	
3-566-00	SCREW	
9-950-01	CASE (LEFT)(GRAY)	
9-950-61	CASE (LEFT)(WHITE)	
9-973-01	SCREW (CASE, 3 POINT)(GRAY)	
9-973-11	SCREW (CASE,3 POINT)(WHITE)	
0-709-01	INSULATOR (TR)	
2-561-04	SCREW +BVTT 4X8 (S)	
3-182-51	CASE (T)(GRAY)	
9-182-81	CASE (T)(WHITE)	
9-965-02	INSULATOR (AC)	
54-303-0	FOOT ASSY	
2-648-09	SCREW +PSW 3X8	
3-635-11	SCREW, +BV (2.6X16) TAPPING	
3-685-21	SCREW (+BV 3X8)	
5-266-12	PLATE, GROUND	
9-905-01	(D501CD).....PANEL, BACK	
9-905-21	(D501:WG)....PANEL, BACK	
9-905-31	(D501:IT)....PANEL, BACK	
9-905-51	(D501:E).....PANEL, BACK	
9-905-61	(D501:AEP)...PANEL, BACK	
9-905-71	(D501CDM)....PANEL, BACK	
9-944-01	(D301:UK)....PANEL, BACK	
9-944-21	(D301:WG)....PANEL, BACK	
9-944-31	(D301:IT)....PANEL, BACK	
-944-51	(D301:E).....PANEL, BACK	
9-944-61	(D301:AEP)...PANEL, BACK	
-944-71	(D301CD).....PANEL, BACK	
-648-79	SCREW +BVTP 3X12 TYPE2 N-S	
-951-01	CASE (RIGHT)(GRAY)	
-951-61	CASE (REGHT)(WHITE)	
-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
-244-00	(AEP,UK,WG,IT) ...BUSHING (2104), CORD	
-571-00	(E).....BUSHING (S)(4516), CORD	
3-438-A	(D501:UK)....MOUNTED PCB, MAIN	
3-444-A	(D501:AEP)...MOUNTED PCB, MAIN	
3-672-A	(D501:WG)....MOUNTED PCB, MAIN	
3-677-A	(D501:E).....MOUNTED PCB, MAIN	
3-714-A	(D501:IT)....MOUNTED PCB, MAIN	
3-493-A	(D301:WG)....MOUNTED PCB, MAIN	
3-497-A	(D301:IT)....MOUNTED PCB, MAIN	
3-501-A	(D301:E).....MOUNTED PCB, MAIN	
0-936-A	(D301:UK)....MOUNTED PCB, MAIN	
0-937-A	(D301:AEP)...MOUNTED PCB, MAIN	

No.	Part No.	Description	Remarks
902	*A-4333-443-A	(D501:UK)...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-445-A	(D501:AEP)..MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-671-A	(D501:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-676-A	(D501:E)....MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-494-A	(D301:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER	
	*A-4333-502-A	(D301:E)....MOUNTED PCB, POWER AMPLIFIER	
	*A-4388-817-A	(D301:UK) ..MOUNTED PCB, POWER AMPLIFIER	
	*A-4388-818-A	(D301:AEP)..MOUNTED PCB, POWER AMPLIFIER	
909	1-533-183-11	HOLDER, FUSE	
927	1-526-565-00	(E)...PC PLUG ADAPTOR	
CN901	⚠1-526-774-11	(E)...OUTLET, AC	
⚠CNP901	1-551-188-XX	(E).....CORD, POWER	
⚠CNP901	1-555-795-00	(WG,IT)...CORD, POWER	
⚠CNP901	1-556-035-00	(UK)....CORD, POWER	
⚠CNP901	1-558-944-11	(AEP)...CORD, POWER	
F401	⚠1-532-286-00	(D301:AEP,UK,WG,IT) ...FUSE, TIME-LAG (T2.5A)	
F451	⚠1-532-286-00	(D301:AEP,UK,WG,IT) ...FUSE, TIME-LAG (T2.5A)	
F901	⚠1-532-259-00	FUSE, TIME-LAG (T1.6A)	
F902	⚠1-532-259-00	(E)...FUSE, TIME-LAG (T1.6A)	
F903	⚠1-532-286-00	FUSE, TIME-LAG (T2.5A)	
F904	⚠1-532-286-00	FUSE, TIME-LAG (T2.5A)	
T901	⚠1-449-545-13	(D301:AEP,WG,IT)...TRANSFORMER, POWER	
T901	⚠1-449-546-13	(D301:UK).....TRANSFORMER, POWER	
T901	⚠1-449-547-11	(D301:E).....TRANSFORMER, POWER	
T901	⚠1-449-648-12	(D501:UK).....TRANSFORMER, POWER	
T901	⚠1-449-649-12	(D501:AEP,WG,IT)...TRANSFORMER, POWER	
T901	⚠1-449-796-11	(D501:E).....TRANSFORMER, POWER	
T902	⚠1-449-548-11	(E)...TRANSFORMER, POWER	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

2. FRONT PANEL, CASSETTE LID

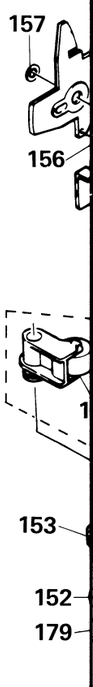


Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remarks
51	X-4929-916-1	(D501:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-917-1	(D501:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-921-1	(D301:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-922-1	(D301:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-935-1	(D501:AEP,UK)...PANEL ASSY, FRONT (WHITE)	
52	X-4929-915-1	(D501)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-920-1	(D301)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-934-1	(D501:AEP,UK) ...HOLDER (B) ASSY, CASSETTE (WHITE)	
53	4-924-506-01	SPRING (LOADING)	
54	X-4929-914-1	(D501)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-919-1	(D301)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-933-1	(D501:AEP,UK) ...HOLDER (A) ASSY, CASSETTE (WHITE)	
55	*4-929-959-01	BRACKET (HOLDER H)	
56	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
57	4-929-933-01	(AEP,UK,WG,IT)...BUTTON (POP)(GRAY)	
	4-929-933-21	(D501:AEP,UK)...BUTTON (POP)(WHITE)	
58	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
59	4-885-182-11	SPRING, TENSION	
60	9-911-863-XX	SPACER	
61	*4-921-941-21	CUSHION (FL)	
62	*4-923-103-01	HOLDER, FL TUBE	
63	*4-929-936-01	HOLDER (FU), LED	
64	4-929-929-21	(D501:AEP,UK,WG,IT) ...BUTTON (S. D)(DBFB)(GRAY)	
	4-930-708-01	(D501:AEP,UK)...BUTTON (S.D)(DBFB)(WHITE)	
	4-929-929-61	(D501:E)....BUTTON (S. D)(SAT)	

No.	Part No.	Description	Remarks
65	4-929-929-51	(D501)...BUTTON (S. D)(SURROUND)(GRAY)	
	4-930-708-11	(D501:AEP,UK)...BUTTON (S.D)(SURROUND)(WHITE)	
66	*4-929-926-01	HOLDER (D. R), LED	
67	*4-929-928-01	HOLDER (CA), LED	
68	4-922-518-01	KNOB (TIMER)(GRAY)	
	4-922-518-31	KNOB (TIMER)(WHITE)	
69	3-341-549-21	SCREW(2.6X12)(DIA.7.5), +PTP WH	
70	4-929-935-01	KNOB (VO)(GRAY)	
	4-929-935-41	KNOB (VO)(WHITE)	
71	4-911-230-01	KNOB, SLIDE	
72	4-929-927-01	(E)...BUTTON (P.O.T)(POWER)	
903	*A-4333-439-A	(D501:AEP,UK)...MOUNTED PCB, CONTROL	
	*A-4333-673-A	(D501:WG).....MOUNTED PCB, CONTROL	
	*A-4333-675-A	(D501:IT).....MOUNTED PCB, CONTROL	
	*A-4333-678-A	(D501:E).....MOUNTED PCB, CONTROL	
	*A-4333-495-A	(D301:WG).....MOUNTED PCB, CONTROL	
	*A-4333-498-A	(D301:E).....MOUNTED PCB, CONTROL	
	*A-4333-499-A	(D301:IT).....MOUNTED PCB, CONTROL	
	*A-4375-436-A	(D301:AEP,UK)...MOUNTED PCB, CONTROL	
904	*1-629-923-11	PC BOARD, VOL	
905	*1-629-859-11	PC BOARD, SYSTEM CONTROL (A)	
906	*1-629-860-11	PC BOARD, SYSTEM CONTROL (B)	
907	*1-629-861-11	PC BOARD, SYSTEM CONTROL (C)	
908	*1-629-858-11	PC BOARD, H.P	
FL101	1-519-512-11	INDICATOR TUBE, FLUORESCENT	
S901	⚠1-553-318-31	(AEP,UK,WG,IT)...SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	

3. Tape Transport M
D301, DECK A:
D301, DECK B:



No.	Part No.	Description
151	*X-3343-418-1	(D501)...CH
	*X-3343-420-2	(D301)...CH
152	3-343-477-01	SPRING, TOR
153	*3-343-476-01	LEVER (EJEC
154	7-685-102-19	SCREW +P 2
155	X-3343-403-1	(D501)...LE
156	3-343-474-01	SPRING, TEN
157	3-558-708-21	WASHER, ST
158	*4-930-729-01	LEVER (LOCK
159	*3-343-450-01	LEVER (EJEC
160	3-343-401-01	SPRING, TOR
161	*X-3343-410-1	BRACKET (EJ
162	7-621-773-86	SCREW +BVT
163	3-343-439-01	CAP (REEL
164	X-3343-415-1	TABEL (REV
165	X-3343-401-1	TABEL ASSY
166	3-343-420-01	SPRING, LEA
167	7-621-255-15	SCREW +PTT

Remarks

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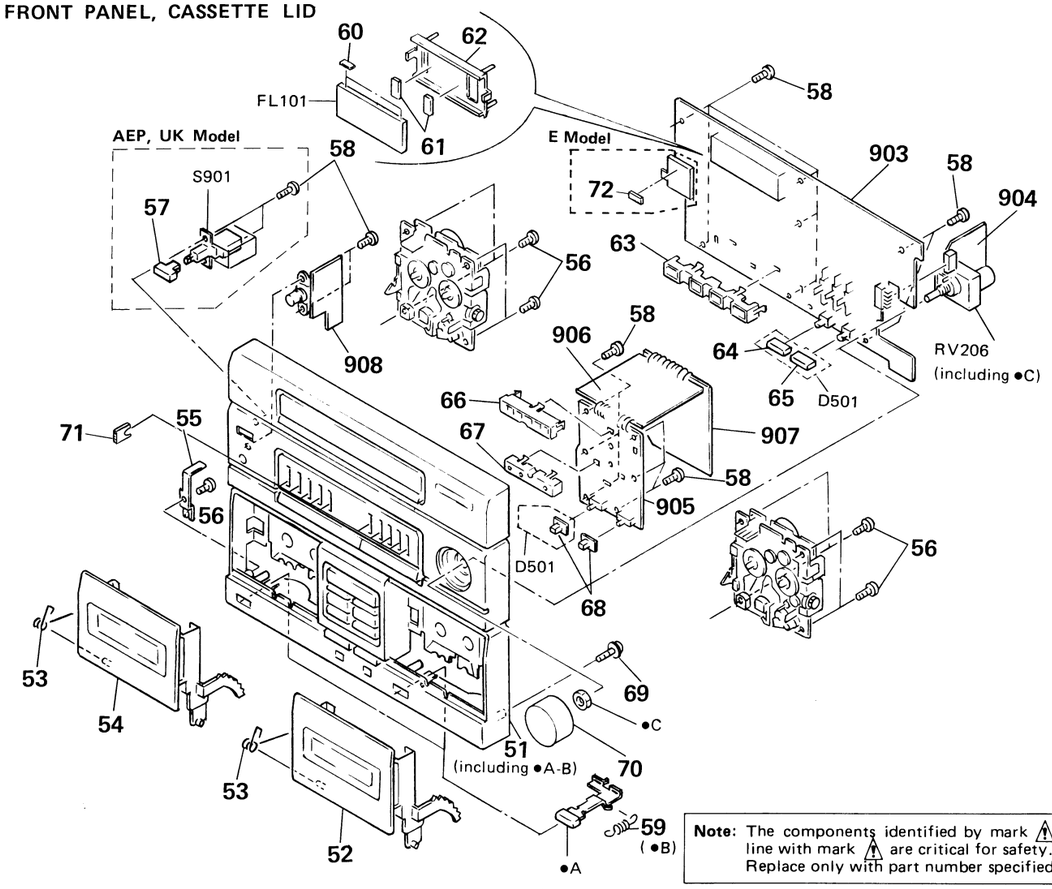
2. FRONT PANEL, CASSETTE LID



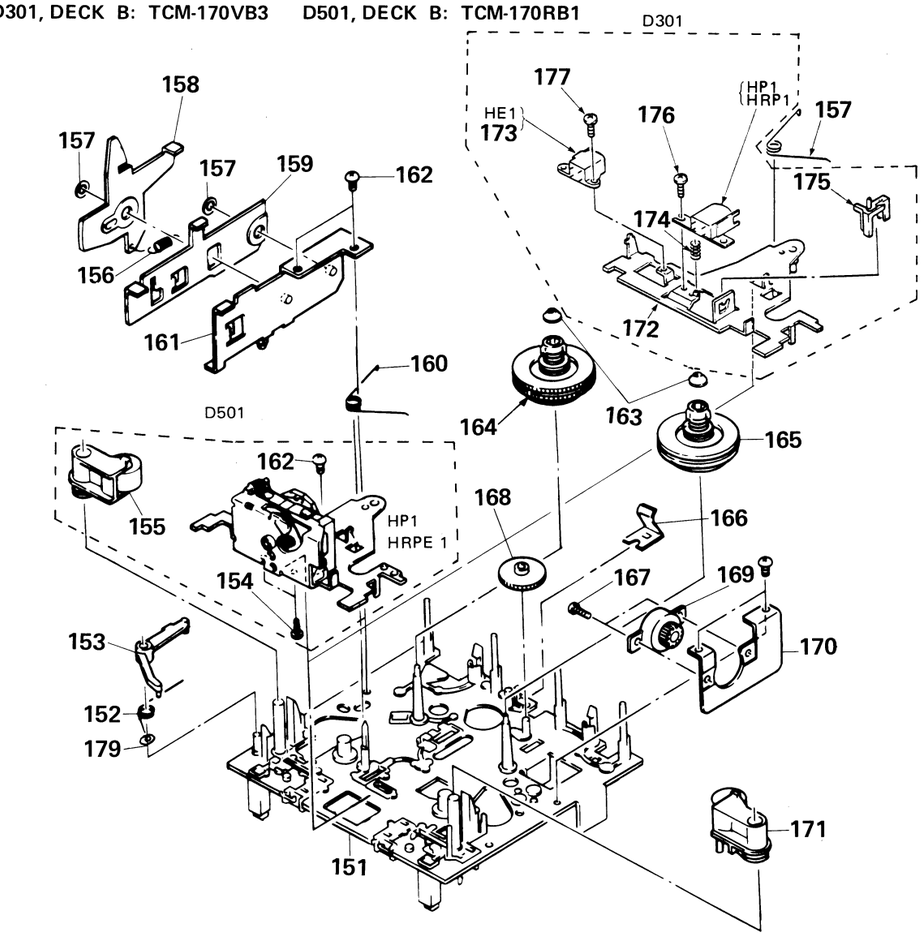
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
51	X-4929-916-1	(D501:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-917-1	(D501:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-921-1	(D301:E).....PANEL ASSY, FRONT (GRAY)	
	X-4929-922-1	(D301:AEP,UK,WG,IT) ...PANEL ASSY, FRONT (GRAY)	
	X-4929-935-1	(D501:AEP,UK)...PANEL ASSY, FRONT (WHITE)	
52	X-4929-915-1	(D501)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-920-1	(D301)...HOLDER (B) ASSY, CASSETTE (GRAY)	
	X-4929-934-1	(D501:AEP,UK) ...HOLDER (B) ASSY, CASSETTE (WHITE)	
53	4-924-506-01	SPRING (LOADING)	
54	X-4929-914-1	(D501)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-919-1	(D301)...HOLDER (A) ASSY, CASSETTE (GRAY)	
	X-4929-933-1	(D501:AEP,UK) ...HOLDER (A) ASSY, CASSETTE (WHITE)	
55	*4-929-959-01	BRACKET (HOLDER H)	
56	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
57	4-929-933-01	(AEP,UK,WG,IT)...BUTTON (POP)(GRAY)	
	4-929-933-21	(D501:AEP,UK)...BUTTON (POP)(WHITE)	
58	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
59	4-885-182-11	SPRING, TENSION	
60	9-911-863-XX	SPACER	
61	*4-921-941-21	CUSHION (FL)	
62	*4-923-103-01	HOLDER, FL TUBE	
63	*4-929-936-01	HOLDER (FU). LED	
64	4-929-929-21	(D501:AEP,UK,WG,IT) ...BUTTON (S. D)(DBFB)(GRAY)	
	4-930-708-01	(D501:AEP,UK)...BUTTON (S.D)(DBFB)(WHITE)	
	4-929-929-61	(D501:E)....BUTTON (S. D)(SAT)	

No.	Part No.	Description	Remarks
65	4-929-929-51	(D501)...BUTTON (S. D)(SURROUND)(GRAY)	
	4-930-708-11	(D501:AEP,UK)...BUTTON (S.D)(SURROUND)(WHITE)	
66	*4-929-926-01	HOLDER (D. R), LED	
67	*4-929-928-01	HOLDER (CA), LED	
68	4-922-518-01	KNOB (TIMER)(GRAY)	
	4-922-518-31	KNOB (TIMER)(WHITE)	
69	3-341-549-21	SCREW(2.6X12)(DIA.7.5), +PTP WH	
70	4-929-935-01	KNOB (VO)(GRAY)	
	4-929-935-41	KNOB (VO)(WHITE)	
71	4-911-230-01	KNOB, SLIDE	
72	4-929-927-01	(E)...BUTTON (P.O.T)(POWER)	
903	*A-4333-439-A	(D501:AEP,UK)...MOUNTED PCB, CONTROL	
	*A-4333-673-A	(D501:WG).....MOUNTED PCB, CONTROL	
	*A-4333-675-A	(D501:IT).....MOUNTED PCB, CONTROL	
	*A-4333-678-A	(D501:E).....MOUNTED PCB, CONTROL	
	*A-4333-495-A	(D301:WG).....MOUNTED PCB, CONTROL	
	*A-4333-498-A	(D301:E).....MOUNTED PCB, CONTROL	
	*A-4333-499-A	(D301:IT).....MOUNTED PCB, CONTROL	
	*A-4375-436-A	(D301:AEP,UK)...MOUNTED PCB, CONTROL	
904	*1-629-923-11	PC BOARD, VOL	
905	*1-629-859-11	PC BOARD, SYSTEM CONTROL (A)	
906	*1-629-860-11	PC BOARD, SYSTEM CONTROL (B)	
907	*1-629-861-11	PC BOARD, SYSTEM CONTROL (C)	
908	*1-629-858-11	PC BOARD, H.P	
FL101	1-519-512-11	INDICATOR TUBE, FLUORESCENT	
S901	⚠1-553-318-31	(AEP,UK,WG,IT)...SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	

3. Tape Transport MECHANISM (1)

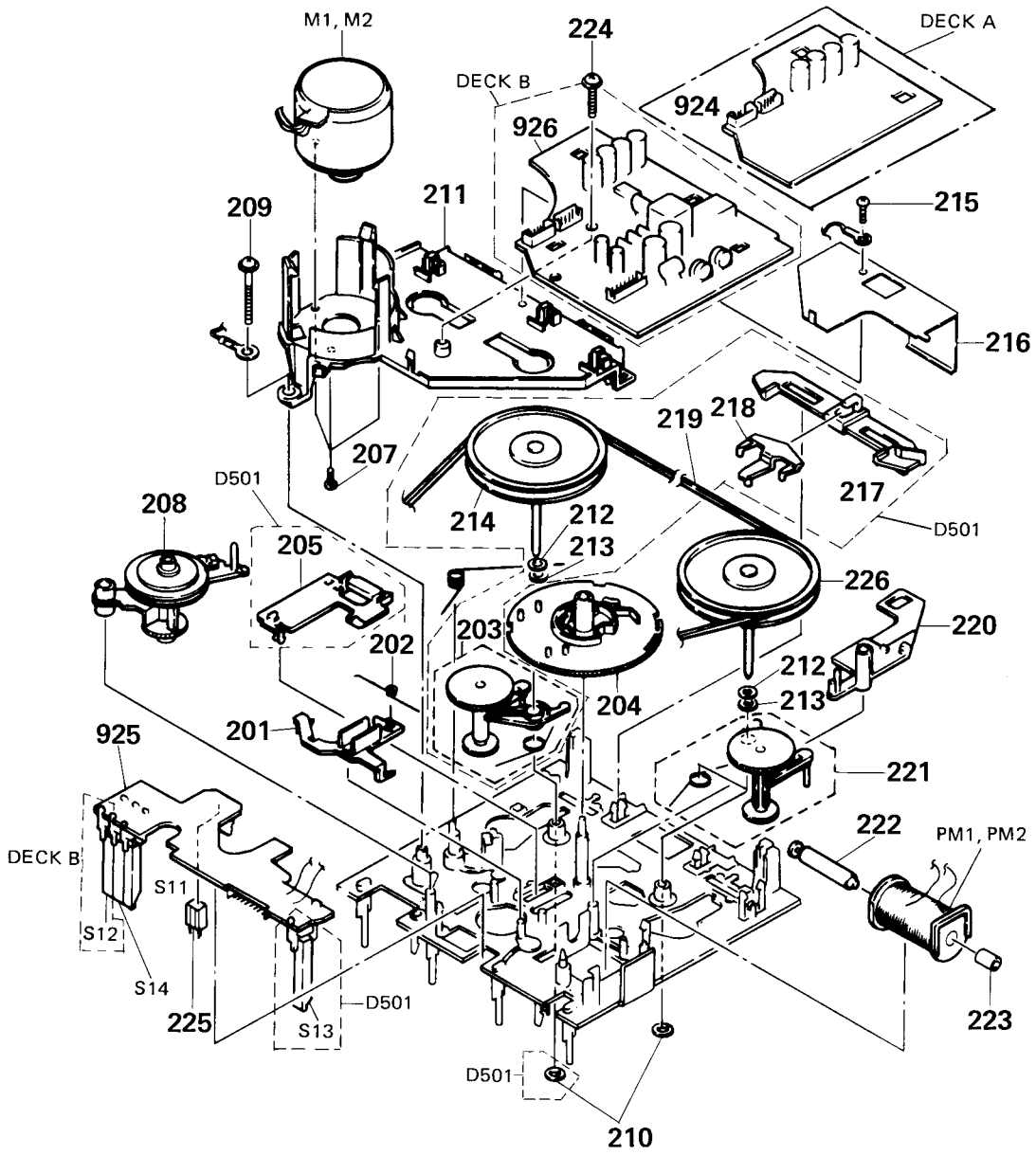
D301, DECK A: TCM-170VA1 D501, DECK A: TCM-170RA1
D301, DECK B: TCM-170VB3 D501, DECK B: TCM-170RB1



No.	Part No.	Description	Remarks
151	*X-3343-418-1	(D501)...CHASSIS ASSY, MECHANICAL	
	*X-3343-420-2	(D301)...CHASSIS ASSY, MECHANICAL	
152	3-343-477-01	SPRING, TORSION (EJECT SAFTY)	
153	*3-343-476-01	LEVER (EJECT SAFETY LEVER)	
154	7-685-102-19	SCREW +P 2X4 NON-SLIT TYPE 2	
155	X-3343-403-1	(D501)...LEVER (PINCH LEVER REV) ASSY	
156	3-343-474-01	SPRING, TENSION	
157	3-558-708-21	WASHER, STOPPER	
158	*4-930-729-01	LEVER (LOCK LEVER)	
159	*3-343-450-01	LEVER (EJECT LEVER)	
160	3-343-401-01	SPRING, TORSION	
161	*X-3343-410-1	BRACKET (EJECT) ASSY	
162	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
163	3-343-439-01	CAP (REEL TABLE)	
164	X-3343-415-1	TABEL (REV) ASSY, REEL	
165	X-3343-401-1	TABEL ASSY, REEL	
166	3-343-420-01	SPRING, LEAF	
167	7-621-255-15	SCREW +PTT 2X3 (S)	

No.	Part No.	Description	Remarks
168	3-343-411-01	GEAR (FF GEAR)	
169	3-319-224-31	DAMPER, SMALL	
171	X-3343-402-1	LEVER (PINCH LEVER FWD) ASSY	
172	*X-3343-422-1	(D301)...SLIDER (HEAD CHASSIS ONE) ASSY	
173	3-319-716-01	(D301)...GUIDE, TAPE	
174	3-343-484-01	(D301)...SPRING, COMPRESSION	
175	3-343-485-02	(D301)...HOLDER (HEAD LEAD)	
176	3-701-465-11	(D301)...SCREW, LOCK SWRM 4+, CZN-N4+	
177	7-621-772-38	(D301)...SCREW +B 2X6	
178	7-621-770-87	SCREW +BVTT 2.6X5 (S)	
179	3-343-487-01	WASHER	
HE1	1-543-535-11	(D301:DECK B)...HEAD, MAGNETIC (ERASE)	
HP1	A-2108-129-A	(D501:DECK A)...CHASSIS ASSY, HEAD	
HP1	1-543-536-11	(D301:DECK A)...HEAD, MAGNETIC(PLAY BACK)	
HRP1	1-543-537-11	(D301:DECK B)...HEAD, MAGNETIC (REC/PB)	
HRP1	A-2108-130-A	(D501:DECK B)...CHASSIS ASSY, HEAD	

4. Tape Transport MECHANISM (2)



No.	Part No.	Description	Remarks
201	3-343-453-01	SLIDER (BRAKE PLATE)	
202	3-343-429-01	(D501)...SPRING, TORSION	
	3-343-482-01	(D301)...SPRING, TORSION	
203	X-3343-406-1	(D501)...LEVER (TU ARM REV) ASSY	
204	3-343-470-01	GEAR (CAM GEAR)	
205	*3-343-461-01	(D501)...SLIDER	
206	3-343-430-01	SPRING, TORSION	
207	7-627-556-28	SCREW +P 2.6X3.5	
208	X-3343-414-1	LAVER (FR ARM) ASSY	
209	3-343-403-01	SCREW (PTTWH 2X18)	
210	3-343-473-01	WASHER, NYLON	
211	*X-3343-407-1	(D501)...BASE (THRUST RETAINER) ASSY	
	*X-3343-421-1	(D301)...BASE (THRUST RETAINER) ASSY	
212	4-605-835-11	WASHER (2.6), POLYSLIDER	
213	3-307-482-00	WASHER, LUMILER	
214	X-3343-431-1	(D501)...FLYWHEEL (REV) COMPLETE ASSY	
215	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	
216	3-343-480-01	PLATE, SHIELD	
217	*3-343-457-01	(D501)...SLIDER (REVERSE SLIDER)	
218	3-343-462-01	(D501)...LEVER	

No.	Part No.	Description	Remarks
219	3-343-426-02	(D501)...BELT (CAPSTAN BELT SQUARE)	
	3-343-488-01	(D301)...BELT (CAPSTAN BELT SQUARE)	
220	3-343-493-01	LEVER (PM LEVER)	
221	X-3343-405-1	LEVER (TU ARM FWD) ASSY	
222	*3-343-425-01	ARBOR(MOVABLE IRON ARBOR),IRON	
223	*3-343-424-01	ARBOR (FIXED IRON ARBOR), IRON	
224	3-343-404-01	SCREW (PTPWH 2X10)	
225	*3-343-419-01	HOLDER (S SENSER A)	
226	X-3343-429-1	FLYWHEEL COMPLETE ASSY	
924	*1-624-147-11	(DECK A)...PC BOARD, MD-A	
925	*1-624-148-11	PC BOARD, LEAF SW	
926	*1-624-146-11	(DECK B)...PC BOARD, MD-B	
M1	X-3343-408-1	MOTOR ASSY	
M2	X-3343-408-1	MOTOR ASSY	
PM1	1-454-456-11	SOLENOID, PLUNGER	
PM2	1-454-456-11	SOLENOID, PLUNGER	
S11	1-571-281-21	SWITCH, LEAF (HALF)	
S12	1-571-281-21	(DECK B)...SWITCH, LEAF (REC (A))	
S13	1-571-281-21	(D501:DECK B)...SWITCH, LEAF (REC (B))	
S14	1-571-281-21	SWITCH, LEAF (CrO2)	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
901	*A-4333-438-A	(D501:UK)....MOUNTED PCB, MAIN
	*A-4333-444-A	(D501:AEP)...MOUNTED PCB, MAIN
	*A-4333-672-A	(D501:WG)....MOUNTED PCB, MAIN
	*A-4333-677-A	(D501:E).....MOUNTED PCB, MAIN
	*A-4333-714-A	(D501:IT)....MOUNTED PCB, MAIN
	*A-4333-493-A	(D301:WG)....MOUNTED PCB, MAIN
	*A-4333-497-A	(D301:IT)....MOUNTED PCB, MAIN
	*A-4333-501-A	(D301:E).....MOUNTED PCB, MAIN
	*A-4410-936-A	(D301:UK)....MOUNTED PCB, MAIN
	*A-4410-937-A	(D301:AEP)...MOUNTED PCB, MAIN
902	*A-4333-443-A	(D501:UK)...MOUNTED PCB, POWER AMPLIFIER
	*A-4333-445-A	(D501:AEP)..MOUNTED PCB, POWER AMPLIFIER
	*A-4333-671-A	(D501:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER
	*A-4333-676-A	(D501:E)....MOUNTED PCB, POWER AMPLIFIER
	*A-4333-494-A	(D301:WG,IT) ...MOUNTED PCB, POWER AMPLIFIER
	*A-4333-502-A	(D301:E)....MOUNTED PCB, POWER AMPLIFIER
	*A-4388-817-A	(D301:UK) ..MOUNTED PCB, POWER AMPLIFIER
	*A-4388-818-A	(D301:AEP)..MOUNTED PCB, POWER AMPLIFIER
903	*A-4333-439-A	(D501:AEP,UK)...MOUNTED PCB, CONTROL
	*A-4333-673-A	(D501:WG).....MOUNTED PCB, CONTROL
	*A-4333-675-A	(D501:IT).....MOUNTED PCB, CONTROL
	*A-4333-678-A	(D501:E).....MOUNTED PCB, CONTROL
	*A-4333-495-A	(D301:WG).....MOUNTED PCB, CONTROL
	*A-4333-498-A	(D301:E).....MOUNTED PCB, CONTROL
	*A-4333-499-A	(D301:IT).....MOUNTED PCB, CONTROL
	*A-4375-436-A	(D301:AEP,UK)...MOUNTED PCB, CONTROL
904	*1-629-923-11	PC BOARD, VOL
905	*1-629-859-11	PC BOARD, SYSTEM CONTROL (A)
906	*1-629-860-11	PC BOARD, SYSTEM CONTROL (B)
907	*1-629-861-11	PC BOARD, SYSTEM CONTROL (C)
908	*1-629-858-11	PC BOARD, H.P
909	1-533-183-11	HOLDER, FUSE
924	*1-624-147-11	PC BOARD, MD-A
925	*1-624-148-11	PC BOARD, LEAF SW
926	*1-624-146-11	(DECK B)...PC BOARD, MD-B
927	1-526-565-00	(E)...PC PLUG ADAPTOR
BP1	*1-535-142-00	(E).....BASE POST 22MM (10MM PITCH)3P
BP3	*1-535-139-00	(UK,E)...BASE POST 22MM (10MM PITCH)2P
BP4	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
BP5	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
BP6	*1-535-139-00	(E)...BASE POST 22MM (10MM PITCH) 2P
BP7	*1-535-142-00	(E)...BASE POST 22MM (10MM PITCH) 5P
C41	1-162-289-31	CERAMIC 390PF 10% 50V
C42	1-136-157-00	FILM 0.022MF 5% 50V
C43	1-124-282-00	ELECT 22MF 20% 25V
C44	1-162-288-31	(DECK B)...CERAMIC 330PF 10% 50V
C45	1-136-273-91	(DECK B)...FILM 75PF 5% 630V
C47	1-162-217-31	(D501:DECK B)...CERAMIC 56PF 5% 50V
C47	1-162-288-31	(D301:DECK B)...CERAMIC 330PF 10% 50V
C48	1-162-217-31	CERAMIC 56PF 5% 50V
C61	1-162-289-31	CERAMIC 390PF 10% 50V
C62	1-136-157-00	FILM 0.022MF 5% 50V
C63	1-124-282-00	ELECT 22MF 20% 25V
C64	1-162-288-31	(DECK B)...CERAMIC 330PF 10% 50V
C65	1-136-273-91	(DECK B)...FILM 75PF 5% 630V
C67	1-162-217-31	(D501:DECK B)...CERAMIC 56PF 5% 50V
C67	1-162-288-31	(D301:DECK B)...CERAMIC 330PF 10% 50V
C68	1-162-217-31	CERAMIC 56PF 5% 50V
C81	1-126-101-11	ELECT 100MF 20% 16V
C82	1-126-101-11	ELECT 100MF 20% 16V
C83	1-124-499-11	(DECK B)...ELECT 1MF 20% 50V
C84	1-124-925-11	(DECK B)...ELECT 2.2MF 20% 50V
C85	1-130-477-00	(D501:DECK B)...MYLAR 0.0033MF 5% 50V
C85	1-130-339-00	(D301:DECK B)...FILM 0.0056MF 5% 100V
C86	1-130-475-00	(D501:DECK B)...MYLAR 0.0022MF 5% 50V
C86	1-130-593-11	(D301:DECK B)...FILM 0.0033MF 5% 100V
C87	1-130-475-00	(D501:DECK B)...MYLAR 0.0022MF 5% 50V
C87	1-136-593-11	(D301:DECK B)...FILM 0.0033MF 5% 100V
C88	1-136-562-11	(D501:DECK B)...FILM 0.0082MF 5% 630V
C88	1-136-601-11	(D301:DECK B)...FILM 0.01MF 5% 630V
C000	1-161-379-00	(WG,IT)...CERAMIC 0.01MF 30% 16V
C001	1-161-379-00	CERAMIC 0.01MF 30% 16V
C002	1-161-379-00	CERAMIC 0.01MF 30% 16V
C003	1-161-379-00	(WG,IT)...CERAMIC 0.01MF 30% 16V
C004	1-161-379-00	(WG,IT)...CERAMIC 0.01MF 30% 16V
C006	1-126-101-11	ELECT 100MF 20% 16V
C007	1-161-379-00	CERAMIC 0.01MF 30% 16V
C008	1-124-477-11	ELECT 47MF 20% 16V
C009	1-161-379-00	CERAMIC 0.01MF 30% 16V
C021	1-101-006-00	(E)...CERAMIC 0.47MF 50V
C022	1-124-463-00	(E)...ELECT 0.1MF 20% 50V
C024	1-161-494-00	CERAMIC 0.022MF 25V
C025	1-161-379-00	CERAMIC 0.01MF 30% 16V
C026	1-162-203-31	CERAMIC 15PF 5% 50V
C027	1-130-014-00	FILM 470PF 5% 50V
C028	1-161-379-00	CERAMIC 0.01MF 30% 16V
C029	1-161-494-00	CERAMIC 0.022MF 25V
C031	1-161-379-00	(E)...CERAMIC 0.01MF 30% 16V
C032	1-124-463-00	(E).....ELECT 0.1MF 20% 50V
C033	1-161-379-00	(E).....CERAMIC 0.01MF 30% 16V
C034	1-102-120-00	(AEP,UK,WG,IT) ...CERAMIC 0.0018MF 10% 50V

Ref.No.	Part No.	Description
C035	1-161-374-11	(AEP,UK,WG,IT) ...CERAMIC 0.0015MF 20% 16V
C036	1-161-494-00	CERAMIC 0.022MF 25V
C037	1-162-211-31	(E).....CERAMIC 33PF 5% 50V
C037	1-162-219-31	(IT).....CERAMIC 68PF 5% 50V
C037	1-162-282-31	(AEP,UK,WG)...CERAMIC 100PF 10% 50V
C038	1-161-379-00	CERAMIC 0.01MF 30% 16V
C039	1-101-081-00	(AEP,UK,WG)...CERAMIC 130PF 5% 50V
C039	1-101-880-00	(E).....CERAMIC 47PF 5% 50V
C039	1-102-973-00	(IT).....CERAMIC 100PF 5% 50V
C040	1-130-047-00	(AEP,UK,WG,IT)...FILM 180PF 5% 50V
C040	1-130-479-00	(E).....MYLAR 0.0047MF 5% 50V
C041	1-161-379-00	(E)...CERAMIC 0.01MF 30% 16V
C042	1-124-463-00	(E)...ELECT 0.1MF 20% 50V
C043	1-161-379-00	(E)...CERAMIC 0.01MF 30% 16V
C044	1-162-211-31	(E).....CERAMIC 33PF 5% 50V
C045	1-161-379-00	(E)...CERAMIC 0.01MF 30% 16V
C046	1-101-880-00	(E).....CERAMIC 47PF 5% 50V
C047	1-130-484-00	(E)...MYLAR 0.012MF 5% 50V
C051	1-161-379-00	(EXCEPT E)...CERAMIC 0.01MF 30% 16V
C052	1-162-207-31	CERAMIC 22PF 5% 50V
C053	1-162-195-31	CERAMIC 4.7PF 10% 50V
C061	1-126-103-11	ELECT 470MF 20% 16V
C062	1-161-494-00	CERAMIC 0.022MF 25V
C063	1-161-494-00	CERAMIC 0.022MF 25V
C064	1-123-382-00	ELECT 3.3MF 20% 50V
C065	1-161-379-00	CERAMIC 0.01MF 30% 16V
C066	1-161-379-00	CERAMIC 0.01MF 30% 16V
C067	1-161-494-00	CERAMIC 0.022MF 25V
C068	1-162-290-31	(WG,IT).. CERAMIC 470PF 10% 50V
C069	1-162-211-31	CERAMIC 33PF 5% 50V
C070	1-124-499-11	ELECT 1MF 20% 50V
C071	1-124-499-11	ELECT 1MF 20% 50V
C072	1-124-499-11	ELECT 1MF 20% 50V
C073	1-124-252-00	ELECT 0.33MF 20% 50V
C074	1-123-875-11	ELECT 10MF 20% 50V
C075	1-130-484-00	CERAMIC 0.012MF 30% 16V
C076	1-123-382-00	ELECT 3.3MF 20% 50V
C077	1-123-382-00	ELECT 3.3MF 20% 50V
C079	1-161-375-00	CERAMIC 0.0022MF 30% 16V
C080	1-130-484-00	CERAMIC 0.012MF 30% 16V
C081	1-123-382-00	ELECT 3.3MF 20% 50V
C082	1-123-382-00	ELECT 3.3MF 20% 50V
C084	1-161-375-00	CERAMIC 0.0022MF 30% 16V
C085	1-123-875-11	ELECT 10MF 20% 50V
C086	1-161-379-00	CERAMIC 0.01MF 30% 16V
C087	1-124-463-00	ELECT 0.1MF 20% 50V
C088	1-161-379-00	CERAMIC 0.01MF 30% 16V
C089	1-124-927-11	ELECT 4.7MF 20% 50V
C090	1-123-875-11	ELECT 10MF 20% 50V
C091	1-161-494-00	CERAMIC 0.022MF 25V
C092	1-124-120-11	ELECT 220MF 20% 16V
C093	1-162-211-31	(EXCEPT E)...CERAMIC 33PF 5% 50V
C095	1-161-494-00	CERAMIC 0.022MF 25V
C096	1-161-494-00	CERAMIC 0.022MF 25V
C097	1-101-006-00	CERAMIC 0.047MF 50V
C101	1-102-961-00	CERAMIC 27PF 5% 50V

Ref.No.	Part No.	Description
C102	1-102-961-00	CERAMIC 27PF 5% 50V
C103	1-161-494-00	CERAMIC 0.022MF 25V
C104	1-124-477-11	ELECT 47MF 20% 16V
C105	1-161-379-00	CERAMIC 0.01MF 30% 16V
C106	1-161-379-00	CERAMIC 0.01MF 30% 16V
C107	1-161-379-00	CERAMIC 0.01MF 30% 16V
C108	1-161-494-00	CERAMIC 0.022MF 25V
C109	1-124-477-11	ELECT 47MF 20% 16V
C110	1-124-925-11	ELECT 2.2MF 20% 50V
C111	1-124-463-00	ELECT 0.1MF 20% 50V
C112	1-161-379-00	CERAMIC 0.01MF 30% 16V
C113	1-136-173-00	(AEP,UK,WG,IT)...FILM 0.47MF 5% 50V
C114	1-161-494-00	(AEP,UK,WG,IT)...CERAMIC 0.022MF 25V
C115	1-124-463-00	(AEP,UK)...ELECT 0.1MF 50V
C120	1-101-006-00	CERAMIC 0.047MF 50V
C121	1-162-286-31	(E).....CERAMIC 220PF 10% 50V
C122	1-162-286-31	(E).....CERAMIC 220PF 10% 50V
C123	1-161-379-00	(E).....CERAMIC 0.01MF 30% 16V
C124	1-161-379-00	(E).....CERAMIC 0.01MF 30% 16V
C125	1-101-006-00	(E).....CERAMIC 0.047MF 50V
C130	1-101-006-00	(WG,IT)...CERAMIC 0.047MF 50V
C151	1-124-446-11	ELECT 47MF 20% 10V
C154	1-124-927-11	ELECT 4.7MF 20% 50V
C155	1-125-486-11	DOUBLELAYERS 0.22F 5.5V
C156	1-161-379-00	CERAMIC 0.01MF 30% 16V
C157	1-123-875-11	ELECT 10MF 20% 50V
C171	1-162-286-31	CERAMIC 220PF 10% 50V
C172	1-162-286-31	CERAMIC 220PF 10% 50V
C173	1-162-286-31	CERAMIC 220PF 10% 50V
C174	1-162-286-31	CERAMIC 220PF 10% 50V
C175	1-162-286-31	CERAMIC 220PF 10% 50V
C176	1-162-286-31	CERAMIC 220PF 10% 50V
C177	1-162-286-31	CERAMIC 220PF 10% 50V
C178	1-162-286-31	CERAMIC 220PF 10% 50V
C179	1-162-286-31	CERAMIC 220PF 10% 50V
C180	1-162-286-31	CERAMIC 220PF 10% 50V
C181	1-162-286-31	CERAMIC 220PF 10% 50V
C182	1-162-286-31	CERAMIC 220PF 10% 50V
C183	1-162-286-31	CERAMIC 220PF 10% 50V
C184	1-162-286-31	CERAMIC 220PF 10% 50V
C201	1-162-286-31	(WG,IT)...CERAMIC 220PF 10% 50V
C202	1-124-927-11	ELECT 4.7MF 20% 50V
C203	1-162-207-31	(WG,IT)...CERAMIC 22PF 5% 50V
C204	1-162-282-31	CERAMIC 100PF 10% 50V
C205	1-162-219-31	CERAMIC 68PF 5% 50V
C206	1-124-499-11	ELECT 1MF 20% 50V
C207	1-161-327-00	CERAMIC 0.0033MF 20% 16V
C208	1-161-374-11	CERAMIC 0.0015MF 20% 16V
C209	1-124-446-11	ELECT 47MF 20% 10V
C210	1-124-927-11	ELECT 4.7MF 20% 50V
C212	1-124-927-11	ELECT 4.7MF 20% 50V
C213	1-124-254-00	ELECT 0.68MF 20% 50V
C214	1-130-490-11	MYLAR 0.039MF 5% 50V
C215	1-130-499-00	MYLAR 0.22MF 5% 50V
C216	1-130-484-00	MYLAR 0.012MF 5% 50V
C217	1-130-493-00	MYLAR 0.068MF 5% 50V
C218	1-130-478-00	MYLAR 0.0039MF 5% 50V

Ref.No.	Part No.	Description			
C219	1-130-487-00	MYLAR	0.022MF	5%	50V
C220	1-130-472-00	MYLAR	0.0012MF	5%	50V
C221	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C222	1-162-289-31	CERAMIC	390PF	10%	50V
C223	1-124-446-11	ELECT	47MF	20%	10V
C224	1-124-446-11	ELECT	47MF	20%	10V
C225	1-162-294-31	CERAMIC	0.001MF	10%	50V
C226	1-124-927-11	ELECT	4.7MF	20%	50V
C227	1-124-927-11	ELECT	4.7MF	20%	50V
C228	1-162-219-31	CERAMIC	68PF	5%	50V
C229	1-124-446-11	ELECT	47MF	20%	10V
C230	1-162-219-31	CERAMIC	68PF	5%	50V
C231	1-124-438-00	(D501)...ELECT	1MF	20%	50V
C232	1-124-252-00	(D501)...ELECT	0.33MF	20%	50V
C233	1-136-166-00	(D501)...FILM	0.12MF	20%	50V
C234	1-124-446-11	(D501)...ELECT	47MF	20%	10V
C234-A	1-126-176-11	ELECT	220MF	20%	10V
C235	1-124-902-11	ELECT	0.47MF	20%	50V
C236	1-126-176-11	ELECT	220MF	20%	10V
C238	1-124-464-11	(D501)...ELECT	1MF	20%	50V
C239	1-124-446-11	ELECT	47MF	20%	10V
C240	1-124-446-11	ELECT	47MF	20%	10V
C251	1-162-286-31	(WG,IT)...CERAMIC	220PF	10%	50V
C252	1-124-927-11	ELECT	4.7MF	20%	50V
C253	1-162-207-31	(WG,IT)...CERAMIC	22PF	5%	50V
C254	1-162-282-31	CERAMIC	100PF	10%	50V
C255	1-162-219-31	CERAMIC	68PF	5%	50V
C256	1-124-499-11	ELECT	1MF	20%	50V
C257	1-161-327-00	CERAMIC	0.0033MF	20%	16V
C258	1-161-374-11	CERAMIC	0.0015MF	20%	16V
C259	1-124-446-11	ELECT	47MF	20%	10V
C260	1-124-927-11	ELECT	4.7MF	20%	50V
C261	1-162-219-31	CERAMIC	68PF	5%	50V
C262	1-124-927-11	ELECT	4.7MF	20%	50V
C263	1-124-254-00	ELECT	0.68MF	20%	50V
C264	1-130-490-11	MYLAR	0.039MF	5%	50V
C265	1-130-499-00	MYLAR	0.22MF	5%	50V
C266	1-130-484-00	MYLAR	0.012MF	5%	50V
C267	1-130-493-00	MYLAR	0.068MF	5%	50V
C268	1-130-478-00	MYLAR	0.0039MF	5%	50V
C269	1-130-487-00	MYLAR	0.022MF	5%	50V
C270	1-130-472-00	MYLAR	0.0012MF	5%	50V
C271	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C272	1-162-289-31	CERAMIC	390PF	10%	50V
C273	1-124-446-11	ELECT	47MF	20%	10V
C274	1-124-446-11	ELECT	47MF	20%	10V
C275	1-162-294-31	CERAMIC	0.001MF	10%	50V
C276	1-124-927-11	ELECT	4.7MF	20%	50V
C277	1-124-927-11	ELECT	4.7MF	20%	50V
C278	1-162-219-31	CERAMIC	68PF	5%	50V
C280	1-162-219-31	CERAMIC	68PF	5%	50V
C281	1-124-438-00	(D501)...ELECT	1MF	20%	50V
C282	1-124-252-00	(D501)...ELECT	0.33MF	20%	50V
C283	1-136-166-00	(D501)...FILM	0.12MF	20%	50V
C285	1-124-902-00	ELECT	0.47MF	20%	50V
C302	1-102-963-00	CERAMIC	33PF	5%	50V
C303	1-102-963-00	CERAMIC	33PF	5%	50V

Ref.No.	Part No.	Description			
C304	1-161-494-00	CERAMIC	0.022MF		25V
C305	1-161-494-00	CERAMIC	0.022MF		25V
C306	1-123-875-11	ELECT	10MF	20%	50V
C307	1-123-875-11	ELECT	10MF	20%	50V
C308	1-126-233-11	ELECT	22MF	20%	25V
C309	1-124-446-11	ELECT	47MF	20%	10V
C310	1-161-494-00	CERAMIC	0.022MF		25V
C401	1-126-233-11	ELECT	22MF	20%	25V
C402	1-162-286-31	CERAMIC	220PF	10%	50V
C403	1-162-286-31	CERAMIC	220PF	10%	50V
C404	1-126-233-11	ELECT	22MF	20%	25V
C405	1-124-910-11	ELECT	47MF	20%	50V
C406	1-126-233-11	ELECT	22MF	20%	50V
C407	1-124-122-11	ELECT	100MF	20%	50V
C408	1-136-165-00	(D301)...FILM	0.1MF	5%	50V
C409	1-136-163-00	FILM	0.068MF	5%	50V
C410	1-136-163-00	FILM	0.068MF	5%	50V
C411	1-124-477-11	(D301:AEP,UK,WG,IT) ...ELECT	47MF	20%	25V
C412	1-126-176-11	(D301:E,D501)...ELECT	220	20%	6.3V
C413	1-123-661-00	(D301:E,D501)...ELECT	100	20%	6.3V
C414	1-126-176-11	(D301:E,D501)...ELECT	220	20%	6.3V
C415	1-124-122-11	ELECT	100MF	20%	50V
C416	1-136-153-00	FILM	0.01MF	5%	50V
C417	1-162-294-31	CERAMIC	0.001	10%	50V
C418	1-162-294-31	CERAMIC	0.001	10%	50V
C420	1-161-494-00	CERAMIC	0.022MF		25V
C421	1-136-163-00	FILM	0.068MF	5%	50V
C422	1-136-163-00	FILM	0.068MF	5%	50V
C451	1-126-233-11	ELECT	22MF	20%	25V
C452	1-162-286-31	CERAMIC	220PF	10%	50V
C453	1-162-286-31	CERAMIC	220PF	10%	50V
C454	1-126-233-11	ELECT	22MF	20%	25V
C455	1-124-910-11	ELECT	47MF	20%	50V
C459	1-136-163-00	FILM	0.068MF	5%	50V
C460	1-136-163-00	FILM	0.068MF	5%	50V
C471	1-136-163-00	FILM	0.068MF	5%	50V
C472	1-136-163-00	FILM	0.068MF	5%	50V
C501	1-136-158-00	FILM	0.027MF	5%	50V
C502	1-131-587-11	TANTALUM	0.68MF	10%	35V
C503	1-123-875-11	ELECT	10MF	20%	50V
C504	1-124-464-11	ELECT	0.22MF	20%	50V
C505	1-124-902-00	ELECT	0.47MF	20%	50V
C506	1-123-875-11	ELECT	10MF	20%	50V
C507	1-123-875-11	ELECT	10MF	20%	50V
C510	1-124-446-11	ELECT	47MF	20%	10V
C511	1-161-379-00	CERAMIC	0.01MF	30%	16V
C551	1-136-158-00	FILM	0.027MF	5%	50V
C552	1-131-587-11	TANTALUM	0.68MF	10%	35V
C553	1-123-875-11	ELECT	10MF	20%	50V
C554	1-124-464-11	ELECT	0.22MF	20%	50V
C555	1-124-902-00	ELECT	0.47MF	20%	50V
C556	1-123-875-11	ELECT	10MF	20%	50V
C557	1-123-875-11	ELECT	10MF	20%	50V
C601	1-123-875-11	ELECT	10MF	20%	50V
C602	1-123-875-11	ELECT	10MF	20%	50V

Ref.No.	Part No.	Description			
C604	1-124-443-00	ELECT	100MF	20%	10V
C605	1-124-443-00	ELECT	100MF	20%	10V
C606	1-126-233-11	ELECT	22MF	20%	25V
C607	1-124-120-11	ELECT	220MF	20%	16V
C701	1-124-443-00	ELECT	100MF	20%	10V
C703	1-124-925-11	ELECT	2.2MF	20%	50V
C704	1-124-925-11	ELECT	2.2MF	20%	50V
C901	1-161-744-00	CERAMIC	0.01MF		400V
C902	1-102-355-00	CERAMIC	0.01MFX2		250V
C904	1-124-026-00	(D301:AEP,UK,WG,IT) ...ELECT	3300MF	20%	35V
C904	1-126-224-11	(D301:E,D501) ...ELECT	4700MF	10%	50V
C905	1-124-026-00	(D301:AEP,UK,WG,IT) ...ELECT	3300MF	20%	35V
C905	1-126-224-11	(D301:E,D501) ...ELECT	4700MF	10%	50V
C906	1-126-101-11	ELECT	100MF	20%	16V
C907	1-124-893-11	ELECT	2200MF	20%	6.3V
C908	1-124-893-11	ELECT	2200MF	20%	10V
C909	1-124-893-11	ELECT	2200MF	20%	10V
C912	1-124-618-11	ELECT	2200MF	20%	35V
C913	1-124-618-11	ELECT	2200MF	20%	35V
C914	1-124-122-11	ELECT	100MF	20%	50V
C915	1-124-927-11	ELECT	4.7MF	20%	50V
C916	1-124-910-11	ELECT	47MF	20%	35V
C918	1-124-557-11	ELECT	1000MF	20%	25V
C919	1-124-463-00	ELECT	0.1MF	20%	50V
C920	1-123-875-11	ELECT	10MF	20%	50V
C921	1-161-494-00	CERAMIC	0.022MF		25V
C922	1-124-927-11	ELECT	4.7MF	20%	50V
C923	1-126-103-11	ELECT	470MF	20%	16V
C924	1-136-153-00	FILM	0.01MF	5%	50V
C925	1-136-153-00	FILM	0.01MF	5%	50V
C926	1-136-153-00	FILM	0.01MF	5%	50V
C927	1-136-153-00	FILM	0.01MF	5%	50V
C928	1-136-153-00	FILM	0.01MF	5%	50V
C929	1-136-153-00	FILM	0.01MF	5%	50V
C930	1-136-153-00	FILM	0.01MF	5%	50V
C940	1-124-463-00	ELECT	0.1MF	20%	50V
C941	1-123-875-11	ELECT	10MF	20%	50V
CF001	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF002	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF003	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF701	1-577-082-11	VIBRATOR, CERAMIC (4MHz)			
CJ401	1-507-997-11	(D501)...JACK, PIN 2P(SURROUND SPEAKER)			
CJ901	1-564-505-11	PLUG, CONNECTOR 2P (HIGH SPEED)			
CJ902	1-564-505-11	(AEP,UK,WG,IT)...PLUG, CONNECTOR 2P			
CJ904	*1-564-344-11	CONNECTOR, BOARD TO BOARD 8P			
CJ905	1-568-239-11	CONNECTOR, BOARD TO BOARD 12P			
CJ906	*1-566-925-11	SOCKET, CONNECTOR 8P			
CJ907	*1-566-925-11	SOCKET, CONNECTOR 8P			
CJ908	*1-566-925-11	SOCKET, CONNECTOR 8P			
CJ909	*1-566-167-11	HOUSING, CONNECTOR 5P			
CJ918	*1-564-342-11	PIN, CONNECTOR 8P			
CJ920	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P			

Ref.No.	Part No.	Description
CN151	*1-568-320-11	PLUG, CONNECTOR 8P
CN152	*1-566-925-11	SOCKET, CONNECTOR 8P
CN153	*1-568-320-11	PLUG, CONNECTOR 8P
CN154	*1-568-320-11	PLUG, CONNECTOR 8P
CN155	*1-568-320-11	PLUG, CONNECTOR 8P
CN201	*1-566-167-11	HOUSING, CONNECTOR 5P
CN211	*1-565-957-11	PLUG, CONNECTOR 8P
CN212	*1-565-957-11	PLUG, CONNECTOR 8P
CN213	*1-565-957-11	PLUG, CONNECTOR 8P
CN552	*1-564-339-00	PIN, CONNECTOR 5P
CN553	*1-564-339-61	PIN, CONNECTOR 5P
CN554	*1-564-340-61	PIN, CONNECTOR 6P
CN703	*1-564-337-00	PIN, CONNECTOR 3P
CN704	*1-564-337-61	PIN, CONNECTOR 3P
CN705	*1-564-342-61	PIN, CONNECTOR 8P
CN706	*1-564-342-11	PIN, CONNECTOR 8P
CN901⚠	1-526-774-11	(E)...OUTLET, AC
CNJ201	1-507-981-11	JACK (LARGE TYPE)(HEADPHONES)
CNP11	*1-564-501-11	PIN, CONNECTOR 8P
CNP12	*1-564-337-61	PIN, CONNECTOR 3P (DECK B)
CNP12	*1-564-337-00	PIN, CONNECTOR 3P (DECK A)
CNP13	*1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P
CNP81	*1-564-705-11	(D301:DECK A)...PIN, CONNECTOR (SMALL TYPE) 3P
CNP81	*1-564-706-11	(D501:DECK A)...PIN, CONNECTOR (SMALL TYPE) 4P
CNP81	*1-564-708-11	(D301:DECK B)...PIN, CONNECTOR (SMALL TYPE) 6P
CNP81	*1-564-709-11	(D501:DECK B)...PIN, CONNECTOR (SMALL TYPE) 7P
CNP82	*1-564-339-00	(EXCEPT D501:DECK B)..PIN, CONNECTOR 5P
CNP82	*1-564-339-61	(D501:DECK B)...PIN, CONNECTOR 5P
CNP83	*1-564-340-00	(D301:DECK B)...PIN, CONNECTOR 6P
CNP83	*1-564-340-61	(DECK B)...PIN, CONNECTOR 6P
CNP701	1-568-240-11	CONNECTOR, BOARD TO BOARD 12P
CNP702	*1-562-368-11	CONNECTOR, BOARD TO BOARD 8P
CNP703	1-564-505-11	(E)...PLUG, CONNECTOR 2P
⚠CNP901	1-551-188-XX	(E).....CORD, POWER
⚠CNP901	1-555-795-00	(WG,IT)...CORD, POWER
⚠CNP901	1-556-035-00	(UK).....CORD, POWER
⚠CNP901	1-558-944-11	(AEP).....CORD, POWER
CP151	1-233-151-11	(E)...COMPOSITION CIRCUIT BLOCK
CT021	1-141-227-00	CAP, TRIMMER
CT022	1-141-227-00	CAP, TRIMMER
CT031	1-141-266-31	CAP, TRIMMER
CT032	1-141-227-00	CAP, TRIMMER
CT041	1-141-227-00	(E)...CAP, TRIMMER
CT042	1-141-227-00	(E)...CAP, TRIMMER
D11	8-719-107-94	DIODE 1SS132
D81	8-719-107-94	(DECK B)...DIODE 1SS132
D021	8-719-923-64	DIODE KV1236-D
D022	8-719-903-27	(E)...DIODE 1SS168
D023	8-719-903-27	(E)...DIODE 1SS168
D024	8-719-000-26	(AEP,UK,WG,IT)...DIODE US1060M

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description
D025	8-719-000-26	DIODE US1060M
D026	8-719-000-26	DIODE US1060M
D031	8-719-923-64	DIODE KV1236-D
D032	8-719-903-27	(E)...DIODE 1SS168
D033	8-719-903-27	(E)...DIODE 1SS168
D041	8-719-923-64	(E)...DIODE KV1236-D
D042	8-719-903-27	(E)...DIODE 1SS168
D043	8-719-903-27	(E)...DIODE 1SS168
D061	8-719-000-26	DIODE US1060M
D151	8-719-000-26	DIODE US1060M
D152	8-719-000-26	DIODE US1060M
D153	8-719-000-26	DIODE US1060M
D154	8-719-000-26	DIODE US1060M
D155	8-719-000-26	DIODE US1060M
D156	8-719-000-26	DIODE US1060M
D157	8-719-000-26	DIODE US1060M
D158	8-719-000-26	DIODE US1060M
D161	8-719-000-26	(EXCEPT IT)...DIODE US1060M
D162	8-719-000-26	(IT)...DIODE US1060M
D163	8-719-000-26	(E)....DIODE US1060M
D164	8-719-000-26	DIODE US1060M
D165	8-719-000-26	DIODE US1060M
D166	8-719-000-26	DIODE US1060M
D167	8-719-000-26	DIODE US1060M
D174	8-719-000-26	DIODE US1060M
D201	8-719-000-26	(D301:E,D501)...DIODE US1060M
D301	8-719-301-43	DIODE SEL2410E-C (PHONO)
D302	8-719-301-43	DIODE SEL2410E-C (TUNER)
D303	8-719-301-43	DIODE SEL2410E-C (CD)
D304	8-719-301-43	DIODE SEL2410E-C (TAPE)
D305	8-719-302-45	(E)...DIODE SEL1210S (POWER)
D306	8-719-000-26	DIODE US1060M
D401	8-719-000-26	(D301:E,D501)...DIODE US1060M
D402	8-719-000-26	(D301:AEP,UK,WG,IT)...DIODE US1060M
D403	8-719-000-26	(D301:E,D501)...DIODE US1060M
D406	8-719-000-26	DIODE US1060M
D451	8-719-000-26	(D301:E,D501)...DIODE US1060M
D601	8-719-000-99	DIODE UZL-7H3
D602	8-719-000-99	DIODE UZL-7H3
D603	8-719-000-99	DIODE UZL-7H3
D701	8-719-200-77	DIODE 10E2N
D702	8-719-200-77	DIODE 10E2N
D703	8-719-301-38	DIODE SEL2210S-C (N-DUB)
D704	8-719-301-38	DIODE SEL2210S-C (H-DUB)
D705	8-719-301-38	(D501)...DIODE SEL2210S-C (DECK A:
D706	8-719-301-38	(D501)...DIODE SEL2210S-C (DECK A:
D707	8-719-304-38	DIODE SEL4414E-D (DECK A:PLAY)
D708	8-719-301-38	(D501)...DIODE SEL2210S-C (DECK B:
D709	8-719-301-38	(D501)...DIODE SEL2210S-C (DECK B:
D710	8-719-304-38	DIODE SEL4414E-D (DECK B:PLAY)
D711	8-719-303-84	DIODE SEL4914D (DECK B:
D712	8-719-301-38	DIODE SEL2210S-C (DECK B:
D713	8-719-000-26	DIODE US1060M
D901	8-719-200-77	DIODE 10E2N

Ref.No.	Part No.	Description
D902	8-719-302-36	(D301:AEP,UK,WG,IT)...DIODE RBV-402-01
D902	8-719-302-38	(D301:E,D501).....DIODE RBV-602
D903	8-719-200-82	DIODE 11ES2
D904	8-719-200-82	DIODE 11ES2
D905	8-719-200-82	DIODE 11ES2
D906	8-719-200-82	DIODE 11ES2
D907	8-719-002-45	DIODE UZL-27L
D908	8-719-014-82	DIODE UZP-6.8B
D909	8-719-200-77	DIODE 10E2N
D910	8-719-200-77	DIODE 10E2N
D911	8-719-200-77	DIODE 10E2N
D912	8-719-200-77	DIODE 10E2N
D913	8-719-000-26	(E)...DIODE US1060M
D914	8-719-000-26	(E)...DIODE US1060M
D915	8-719-200-82	DIODE 11ES2
D916	1-807-913-21	DIODE 11EQS04
D917	1-807-913-21	DIODE 11EQS04
F401 ⚠	1-532-286-00	(D301:AEP,UK,WG,IT)...FUSE, TIME-LAG (T2.5A)
F451 ⚠	1-532-286-00	(D301:AEP,UK,WG,IT)...FUSE, TIME-LAG (T2.5A)
F901 ⚠	1-532-259-00	FUSE, TIME-LAG (T1.6A)
F902 ⚠	1-532-259-00	(E)...FUSE, TIME-LAG (T1.6A)
F903 ⚠	1-532-286-00	FUSE, TIME-LAG (T2.5A)
F904 ⚠	1-532-286-00	FUSE, TIME-LAG (T2.5A)
FE001	1-463-857-21	(WG,IT).....FRONT END (FM)
FE001	1-465-006-11	(AEP,UK,E)...FRONT END (FM) (2 GANG)
FL061	1-235-046-00	(WG,IT)..ENCAPSULATED, COMPONENT(B.E.F)
FL101	1-519-512-11	INDICATOR TUBE, FLUORESCENT
HE1	1-543-535-11	(D301:DECK B)...HEAD, MAGNETIC (ERASE)
HP1	A-2108-129-A	(D501:DECK A)...CHASSIS ASSY, HEAD
HP1	1-543-536-11	(D301:DECK A)...HEAD, MAGNETIC (PLAY BACK)
HRP1	1-543-537-11	(D301:DECK B)...HEAD, MAGNETIC (REC/PB)
HRP1	A-2108-130-A	(D501:DECK B)...CHASSIS ASSY, HEAD
IC81	8-759-111-44	IC UPC4570C-1
IC061	8-759-821-45	IC LA1851N
IC101	8-759-820-91	IC LC7218
IC153	8-759-234-25	IC TMP47C441AN-1672
IC201	8-759-600-02	IC M5218L
IC202	8-759-802-52	IC LC7818
IC203	8-759-600-02	IC M5218L
IC204	8-759-602-04	IC M5226P
IC205	8-759-602-04	IC M5226P
IC206	8-759-600-02	IC M5218L
IC301	8-749-920-03	IC GP1U52
IC302	8-759-632-31	IC M50721-127P
IC303	8-759-820-62	IC LB1639
IC401	8-749-920-10	(E).....IC STK4172II
IC401	8-749-920-13	(D301:AEP,UK,WG,IT)...IC STK4132II
IC401	8-749-941-52	(D501:AEP,UK,WG,IT)...IC STK4152II
IC402	8-759-111-68	(D301:E,D501)...IC UPC1237HA
IC601	8-759-601-43	IC M4066BP
IC602	8-752-031-67	IC CXA1100P

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
IC603	8-752-033-61	IC CXA1198AP
IC604	8-759-240-52	IC TC4052BP
IC701	8-759-633-21	IC M50964-211
IC901	8-759-604-33	IC M5F7812
IC902	8-759-604-29	IC M5F7805
IC903	8-759-604-86	IC M5F7807
IC904	8-759-604-90	IC M5F7907
IC905	8-759-820-13	IC L78MR006
IFT061	1-404-807-11	TRANSFORMER, DISCRIMINATOR
IFT062	1-404-713-11	TRANSFORMER, IF
L41	1-410-780-11	(DECK B)...INDUCTOR 27MMH
L61	1-410-780-11	(DECK B)...INDUCTOR 27MMH
L021	1-402-362-11	(E).....COIL (ANT MW)
L021	1-402-438-11	(EXCEPT E)...COIL (ANT MW)
L022	1-406-206-11	COIL, MW (OSC)
L023	1-410-624-11	(E)...INDUCTOR 560UH
L024	1-410-171-11	(E)...INDUCTOR 1MMH
L031	1-402-439-11	(AEP,UK,WG,IT)...COIL (LW ANT)
L031	1-402-145-11	(E).....COIL (SW1 ANT)
L032	1-406-090-11	(AEP,UK,WG,IT)...COIL (LW OSC)
L032	1-406-205-11	(E).....COIL (SW1 ANT)
L033	1-410-525-11	(AEP,UK,WG,IT)...INDUCTOR 220UH
L041	1-402-202-11	(E)....COIL, ANT (SW2)
L042	1-406-191-11	(E)....COIL, OSC (SW2)
L061	1-408-912-11	(E).....INDUCTOR 1MMH
L061	1-408-920-00	(AEP,UK,WG,IT)...INDUCTOR 4.7MMH
L062	1-408-096-00	INDUCTOR 470UH
L151	1-410-521-11	INDUCTOR 100UH
L152	1-410-521-11	INDUCTOR 100UH
L301	1-410-521-11	INDUCTOR 100UH
L601	1-410-521-11	(UK,E)...INDUCTOR 100UH
L601	1-410-575-11	(AEP)....INDUCTOR 820UH
L602	1-410-521-11	INDUCTOR 100UH
LPF061	1-235-164-00	FILTER, LOW PASS
LPF062	1-235-164-00	FILTER, LOW PASS
M1	X-3343-408-1	MOTOR ASSY
M2	X-3343-408-1	MOTOR ASSY
PM1	1-454-456-11	SOLENOID, PLUNGER
PM2	1-454-456-11	SOLENOID, PLUNGER
Q11	8-729-119-76	TRANSISTOR 2SA1175HFE
Q12	8-719-939-23	PHOTO TRANSISTOR GP2S09-C
Q81	8-729-111-29	(DECK B)...TRANSISTOR 2SD1388
Q82	8-729-119-78	(DECK B)...TRANSISTOR 2SC2785-HFE
Q83	8-729-119-78	(DECK B)...TRANSISTOR 2SC2785-HFE
Q001	8-729-672-42	TRANSISTOR 2SC2724C
Q002	8-729-672-42	TRANSISTOR 2SC2724C
Q003	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q003-A	8-729-672-42	(WG,IT)...TRANSISTOR 2SC2724C
Q004	8-729-173-38	TRANSISTOR 2SA733
Q004-A	8-729-672-42	(WG,IT)...TRANSISTOR 2SC2724C
Q021	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q022	8-729-173-38	TRANSISTOR 2SA733
Q023	8-729-900-61	TRANSISTOR DTA114ES

Ref.No.	Part No.	Description
Q024	8-729-900-80	(AEP,UK,WG,IT)...TRANSISTOR DTC114ES
Q025	8-729-900-80	(AEP,UK,WG,IT)...TRANSISTOR DTC114ES
Q031	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q032	8-729-173-38	TRANSISTOR 2SA733
Q033	8-729-900-61	TRANSISTOR DTA114ES
Q034	8-729-900-80	(AEP,UK,WG,IT)...TRANSISTOR DTC114ES
Q041	8-729-119-78	(E)...TRANSISTOR 2SC2785-HFE
Q042	8-729-110-68	(E)...TRANSISTOR 2SA1409-L
Q043	8-729-900-61	(E)...TRANSISTOR DTA114ES
Q051	8-729-177-43	(AEP,UK,WG,IT)...TRANSISTOR 2SD774
Q061	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q062	8-729-173-38	TRANSISTOR 2SA733
Q063	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q064	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q065	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q101	8-729-202-67	TRANSISTOR 2SK246GR3
Q102	8-729-201-83	TRANSISTOR 2SC3112B
Q103	8-729-202-67	(AEP,UK,WG,IT)...TRANSISTOR 2SK246GR3
Q104	8-729-201-83	(AEP,UK,WG,IT)...TRANSISTOR 2SC3112B
Q151	8-729-900-61	TRANSISTOR DTA114ES
Q152	8-729-900-80	TRANSISTOR DTC114ES
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q202	8-729-202-67	(D501)...TRANSISTOR 2SK246GR3
Q203	8-729-119-78	(D501)...TRANSISTOR 2SC2785-HFE
Q204	8-729-173-38	TRANSISTOR 2SA733
Q251	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q252	8-729-202-67	(D501)...TRANSISTOR 2SK246GR3
Q253	8-729-119-78	(D501)...TRANSISTOR 2SC2785-HFE
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q304	8-729-119-78	(E).....TRANSISTOR 2SC2785-HFE
Q401	8-729-108-06	(D301:E,D501)...TRANSISTOR 2SC1841
Q402	8-729-173-38	(D301:E,D501)...TRANSISTOR 2SA733
Q451	8-729-108-06	(D301:E,D501)...TRANSISTOR 2SC1841
Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q502	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q551	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q552	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q553	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q601	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q602	8-729-173-38	TRANSISTOR 2SA733
Q603	8-729-173-38	TRANSISTOR 2SA733
Q701	8-729-116-57	TRANSISTOR 2SB1013
Q702	8-729-801-93	TRANSISTOR 2SD1387
Q703	8-729-173-38	TRANSISTOR 2SA733
Q704	8-729-116-57	TRANSISTOR 2SB1013
Q705	8-729-801-93	TRANSISTOR 2SD1387
Q706	8-729-173-38	TRANSISTOR 2SA733
Q718	8-729-173-38	TRANSISTOR 2SA733
Q719	8-729-173-38	TRANSISTOR 2SA733
Q720	8-729-173-38	TRANSISTOR 2SA733
Q721	8-729-173-38	TRANSISTOR 2SA733
Q722	8-729-802-22	TRANSISTOR 2SB1014
Q723	8-729-173-38	TRANSISTOR 2SA733
Q724	8-729-173-38	TRANSISTOR 2SA733
Q725	8-729-173-38	TRANSISTOR 2SA733
Q726	8-729-173-38	(D501)...TRANSISTOR 2SA733

Ref.No.	Part No.	Description
Q727	8-729-173-38	(D501)...TRANSISTOR 2SA733
Q728	8-729-173-38	TRANSISTOR 2SA733
Q729	8-729-173-38	(D501)...TRANSISTOR 2SA733
Q730	8-729-173-38	(D501)...TRANSISTOR 2SA733
Q731	8-729-173-38	TRANSISTOR 2SA733
Q732	8-729-173-38	TRANSISTOR 2SA733
Q733	8-729-173-38	TRANSISTOR 2SA733
Q734	8-729-173-38	TRANSISTOR 2SA733
Q901	8-729-920-97	TRANSISTOR 2SB1187-EF
Q902	8-729-119-78	(E)...TRANSISTOR 2SC2785-HFE
Q903	8-729-119-78	(E)...TRANSISTOR 2SC2785-HFE
R11	1-247-834-11	(DECK B)...CARBON 1.3K 5% 1/4W
R12	1-249-414-11	(DECK B)...CARBON 560 5% 1/4W
R13	1-247-818-11	(DECK B)...CARBON 300 5% 1/4W
R14	1-249-408-11	CARBON 180 5% 1/4W
R17	1-249-437-11	CARBON 47K 5% 1/4W
R18	1-249-437-11	CARBON 47K 5% 1/4W
R41	1-247-881-00	(EXCEPT D301:DECK B) ...CARBON 120K 5% 1/4W
R41	1-247-889-00	(D301:DECK B)...CARBON 270K 5% 1/4W
R42	1-249-405-11	CARBON 100 5% 1/4W
R43	1-247-882-11	CARBON 130K 5% 1/4W
R44	1-249-426-11	CARBON 5.6K 5% 1/4W
R45	1-249-430-11	(DECK B)...CARBON 12K 5% 1/4W
R61	1-247-881-00	(D501:DECK B)...CARBON 120K 5% 1/4W
R61	1-247-889-00	(D301:DECK B)...CARBON 270K 5% 1/4W
R62	1-249-405-11	CARBON 100 5% 1/4W
R63	1-247-882-11	CARBON 130K 5% 1/4W
R64	1-249-426-11	CARBON 5.6K 5% 1/4W
R65	1-249-430-11	(DECK B)...CARBON 12K 5% 1/4W
R81	1-249-409-11	CARBON 220 5% 1/4W
R82	1-249-409-11	CARBON 220 5% 1/4W
R83	1-249-429-11	(DECK B)...CARBON 10K 5% 1/4W
R84	1-212-853-00	(D501:DECK B)...FUSIBLE 6.8 5% 1/4W F
R84	1-212-851-00	(D301:DECK B)...FUSIBLE 5.6 5% 1/4W F
R85	1-249-434-11	(D501:DECK B)...CARBON 27K 5% 1/4W
R85	1-249-435-11	(D301:DECK B)...CARBON 33K 5% 1/4W
R86	1-249-434-11	(D501:DECK B)...CARBON 27K 5% 1/4W
R86	1-249-435-11	(D301:DECK B)...CARBON 33K 5% 1/4W
R001	1-249-411-11	CARBON 330 5% 1/4W
R002	1-249-411-11	CARBON 330 5% 1/4W
R003	1-249-434-11	CARBON 27K 5% 1/4W
R004	1-249-414-11	CARBON 560 5% 1/4W
R005	1-249-432-11	CARBON 18K 5% 1/4W
R006	1-249-411-11	(WG,IT)...CARBON 330 5% 1/4W
R007	1-249-411-11	(WG,IT)...CARBON 330 5% 1/4W
R008	1-249-434-11	(WG,IT)...CARBON 27K 5% 1/4W
R009	1-249-416-11	(WG,IT)...CARBON 820 5% 1/4W
R010	1-249-432-11	(WG,IT)...CARBON 18K 5% 1/4W
R011 ⚠	1-247-696-11	(WG,IT).....CARBON 47 5% 1/4W F
R011 ⚠	1-247-700-11	(AEP,UK,E)...CARBON 100 5% 1/4W F
R021	1-249-417-11	(E)....CARBON 1K 5% 1/4W
R022	1-249-441-11	(E)....CARBON 100K 5% 1/4W
R023	1-249-425-11	CARBON 4.7K 5% 1/4W
R030	1-249-429-11	(AEP,UK,WG,IT)...CARBON 10K 5% 1/4W
R033	1-247-903-00	(AEP,UK,WG,IT)...CARBON 1M 5% 1/4W
R061 ⚠	1-247-700-11	CARBON 100 5% 1/4W F

Ref.No.	Part No.	Description
R062	1-249-437-11	CARBON 47K 5% 1/4W
R063	1-249-427-11	CARBON 6.8K 5% 1/4W
R065	1-249-430-11	(EXCEPT WG,IT)...CARBON 12K 5% 1/4W
R065	1-249-421-11	(WG,IT).....CARBON 2.2K 5% 1/4W
R068	1-247-848-11	CARBON 5.1K 5% 1/4W
R072	1-249-418-11	CARBON 1.2K 5% 1/4W
R081	1-249-417-11	CARBON 2.2K 5% 1/4W
R091	1-249-421-11	CARBON 2.2K 5% 1/4W
R099	1-249-428-11	CARBON 8.2K 5% 1/4W
R109 ⚠	1-247-699-11	CARBON 82 5% 1/4W F
R118 ⚠	1-247-700-11	CARBON 100 5% 1/4W F
R119	1-249-423-11	CARBON 3.3K 5% 1/4W
R121	1-249-417-11	CARBON 1K 5% 1/4W
R122	1-249-410-11	CARBON 270 5% 1/4W
R123	1-249-425-11	CARBON 4.7K 5% 1/4W
R126	1-249-405-11	CARBON 100 5% 1/4W
R129	1-249-423-11	(AEP,UK,WG,IT)...CARBON 3.3K 5% 1/4W
R131	1-249-417-11	(AEP,UK,WG,IT)...CARBON 1K 5% 1/4W
R132	1-249-410-11	CARBON 270 5% 1/4W
R133	1-249-433-11	(AEP,UK,WG,IT)...CARBON 22K 5% 1/4W
R136	1-249-405-11	(AEP,UK,WG,IT)...CARBON 100 5% 1/4W
R149	1-249-413-11	(EXCEPT WG,IT)...CARBON 470 5% 1/4W
R166	1-249-433-11	CARBON 22K 5% 1/4W
R178	1-249-405-11	CARBON 100 5% 1/4W
R179	1-249-417-11	CARBON 1K 5% 1/4W
R204	1-249-427-11	CARBON 6.8K 5% 1/4W
R208	1-249-438-11	CARBON 560K 5% 1/4W
R209	1-249-415-11	CARBON 680 5% 1/4W
R210	1-249-416-11	CARBON 820 5% 1/4W
R211	1-249-438-11	CARBON 560K 5% 1/4W
R224	1-249-425-11	CARBON 4.7K 5% 1/4W
R225	1-249-427-11	(D501)...CARBON 6.8K 5% 1/4W
R226	1-249-423-11	(D501)...CARBON 3.3K 5% 1/4W
R228	1-249-411-11	(D501)...CARBON 330 5% 1/4W
R229-A	1-249-423-11	(D501)...CARBON 3.3K 5% 1/4W
R229	1-249-688-11	CARBON 10 5% 1/4W
R230	1-249-413-11	(D501)...CARBON 470 5% 1/4W
R231	1-249-415-11	CARBON 680 5% 1/4W
R232	1-249-415-11	CARBON 680 5% 1/4W
R235 ⚠	1-249-428-11	(D301:E,D501)...CARBON 8.2K 5% 1/4W F
R237	1-249-418-11	(D301:E,D501)...CARBON 1.2K 5% 1/4W
R240	1-249-418-11	CARBON 1.2K 5% 1/4W
R244-A	1-247-688-11	CARBON 10 5% 1/4W
R244	1-247-891-00	(D501)...CARBON 330K 5% 1/4W
R254	1-249-427-11	CARBON 6.8K 5% 1/4W
R258	1-249-438-11	CARBON 560K 5% 1/4W
R259	1-249-415-11	CARBON 680 5% 1/4W
R260	1-249-416-11	CARBON 820 5% 1/4W
R261	1-249-438-11	CARBON 560K 5% 1/4W
R274	1-249-425-11	CARBON 4.7K 5% 1/4W
R276	1-249-423-11	(D501)...CARBON 3.3K 5% 1/4W
R278	1-249-411-11	(D501)...CARBON 330 5% 1/4W
R279	1-249-423-11	(D501)...CARBON 3.3K 5% 1/4W

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
R281	1-249-415-11	CARBON 680 5% 1/4W
R282	1-249-415-11	CARBON 680 5% 1/4W
R285	1-249-428-11	(D301:E,D501)...CARBON 8.2K 5% 1/4W F
R290	1-249-418-11	CARBON 1.2K 5% 1/4W
R294	1-247-891-00	(D501)...CARBON 330K 5% 1/4W
R301	1-249-429-11	CARBON 10K 5% 1/4W
R303	1-249-429-11	CARBON 10K 5% 1/4W
R304	1-249-409-11	CARBON 220 5% 1/4W
R305	1-249-409-11	CARBON 220 5% 1/4W
R306	1-249-409-11	CARBON 220 5% 1/4W
R307	1-249-409-11	CARBON 220 5% 1/4W
R308	1-247-903-00	CARBON 1M 5% 1/4W
R309	1-249-413-11	CARBON 470 5% 1/4W
R317	1-249-417-11	CARBON 1K 5% 1/4W
R326	1-249-409-11	(E)...CARBON 220 5% 1/4W
R327	1-249-399-11	CARBON 33 5% 1/4W
R332	1-247-901-11	CARBON 820K 5% 1/4W
R402	1-249-438-11	CARBON 56K 5% 1/4W
R403	1-249-414-11	CARBON 560 5% 1/4W
R404	1-247-870-11	(D301:E).....CARBON 43K 5% 1/4W
R404	1-249-438-11	(AEP,UK,WG,IT)...CARBON 56K 5% 1/4W
R405	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R405	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R406	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R406	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R407	1-249-442-11	CARBON 510 5% 1/4W
R408	1-249-442-11	CARBON 510 5% 1/4W
R409 ⚠	1-247-700-11	CARBON 100 5% 1/4W F
R410	1-249-389-11	CARBON 4.7 5% 1/4W
R411	1-249-417-11	(D301:AEP,UK,WG,IT) ...CARBON 1K 5% 1/4W
R412	1-247-881-00	(D301:AEP,UK,WG,IT) ...CARBON 120K 5% 1/4W
R413	1-249-438-11	(D301:AEP,UK,WG,IT) ...CARBON 56K 5% 1/4W
R414	1-249-431-11	(D301:AEP,UK,WG,IT) ...CARBON 15K 5% 1/4W
R415	1-249-425-11	(D301)....CARBON 4.7K 5% 1/4W
R416	1-217-151-00	(D301:E,D501)...METAL 0.22 1% 2W
R417	1-249-417-11	(D301:E,D501)...CARBON 1K 5% 1/4W
R418	1-249-431-11	(D301:E,D501)...CARBON 15K 5% 1/4W
R419	1-249-441-11	(D301:E,D501)...CARBON 100K 5% 1/4W
R420	1-249-438-11	(D301:E,D501)...CARBON 56K 5% 1/4W
R421	1-249-441-11	(D301:E,D501)...CARBON 100K 5% 1/4W
R422	1-249-441-11	(D301:E,D501)...CARBON 100K 5% 1/4W
R424	1-249-436-11	(D301:E,D501)...CARBON 39K 5% 1/4W
R425	1-249-430-11	(D301:E,D501)...CARBON 12K 5% 1/4W
R426	1-216-479-11	(D301:E,D501)...METAL 560 3W
R427	1-247-692-11	CARBON 22 5% 1/4W
R428	1-247-692-11	CARBON 22 5% 1/4W
R429	1-249-393-11	(D301:E,D501)...CARBON 10K 5% 1/4W
R431	1-249-417-11	CARBON 1K 5% 1/4W
R432	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R432	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R433	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R433	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W

Ref.No.	Part No.	Description
R435	1-249-442-11	CARBON 510 5% 1/4W
R436	1-249-389-11	CARBON 4.7 5% 1/4W
R439	1-249-442-11	CARBON 510 5% 1/4W
R446	1-249-409-11	(E).....CARBON 220 5% 1/4W
R452	1-249-438-11	CARBON 56K 5% 1/4W
R453	1-249-414-11	CARBON 560 5% 1/4W
R454	1-249-437-11	(D501:E)...CARBON 47K 5% 1/4W
R454	1-249-438-11	CARBON 56K 5% 1/4W
R455	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R455	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R456	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R456	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R459	1-247-700-11	CARBON 100 5% 1/4W F
R460	1-249-389-11	CARBON 4.7 5% 1/4W
R466	1-217-151-00	(D301:E,D501)...METAL 0.22 1% 2W
R467	1-249-417-11	(D301:E,D501)...CARBON 1K 5% 1/4W
R468	1-249-431-11	(D301:E,D501)...CARBON 15K 5% 1/4W
R469	1-249-441-11	(D301:E,D501)...CARBON 100K 5% 1/4W
R470	1-249-437-11	(D301:E,D501)...CARBON 47K 5% 1/4W
R477	1-247-692-11	CARBON 22 5% 1/4W
R478	1-247-692-11	CARBON 22 5% 1/4W
R481	1-249-417-11	CARBON 1K 5% 1/4W
R482	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R482	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R483	1-247-832-11	(AEP,UK,WG,IT)...CARBON 1.1K 5% 1/4W
R483	1-247-836-11	(E).....CARBON 1.6K 5% 1/4W
R486	1-249-389-11	CARBON 4.7 5% 1/4W
R496	1-249-409-11	(E)...CARBON 220 5% 1/4W
R502	1-249-422-11	CARBON 2.7K 5% 1/4W
R507	1-249-437-11	CARBON 47K 5% 1/4W
R508	1-249-422-11	CARBON 2.7K 5% 1/4W
R552	1-249-422-11	CARBON 2.7K 5% 1/4W
R557	1-249-437-11	CARBON 47K 5% 1/4W
R558	1-249-422-11	CARBON 2.7K 5% 1/4W
R604	1-215-460-00	METAL 43K 1% 1/6W
R611	1-249-437-11	CARBON 47K 5% 1/4W
R612	1-249-435-11	CARBON 33K 5% 1/4W
R613	1-247-868-11	(D501)...CARBON 36K 5% 1/4W
R613	1-215-464-00	(D301)...CARBON 62K 5% 1/4W
R614	1-247-878-00	(D501)...CARBON 91K 5% 1/4W
R614	1-247-883-00	(D301)...CARBON 150K 5% 1/4W
R615	1-247-881-00	(D501)...CARBON 120K 5% 1/4W
R615	1-249-441-11	(D301)...CARBON 100K 5% 1/4W
R616	1-249-437-11	(D501)...CARBON 47K 5% 1/4W
R616	1-247-878-00	(D301)...CARBON 91K 5% 1/4W
R617	1-247-862-11	(D501)...CARBON 20K 5% 1/4W
R617	1-249-434-11	(D301)...CARBON 27K 5% 1/4W
R618	1-247-868-11	(D501)...CARBON 36K 5% 1/4W
R618	1-249-435-11	(D301)...CARBON 33K 5% 1/4W
R619	1-249-436-11	(D501)...CARBON 39K 5% 1/4W
R619	1-249-439-11	(D301)...CARBON 68K 5% 1/4W
R620	1-247-876-11	(D501)...CARBON 75K 5% 1/4W
R620	1-249-441-11	(D301)...CARBON 100K 5% 1/4W
R621	1-247-868-11	CARBON 36K 5% 1/4W

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Ref.No.	Part No.	Description			
R622	1-247-878-00	(D501)...CARBON	91K	5%	1/4W
R622	1-247-876-11	(D301)...CARBON	75K	5%	1/4W
R623	1-247-876-11	(D501)...CARBON	75K	5%	1/4W
R623	1-249-439-11	(D301)...CARBON	68K	5%	1/4W
R624	1-249-437-11	(D501)...CARBON	47K	5%	1/4W
R624	1-249-436-11	(D301)...CARBON	39K	5%	1/4W
R625	1-247-868-11	(D501)...CARBON	36K	5%	1/4W
R625	1-249-441-11	(D301)...CARBON	100K	5%	1/4W
R626	1-247-878-00	(D501)...CARBON	91K	5%	1/4W
R626	1-247-883-00	(D301)...CARBON	150K	5%	1/4W
R627	1-247-881-00	(D501)...CARBON	120K	5%	1/4W
R627	1-247-876-11	(D301)...CARBON	75K	5%	1/4W
R628	1-247-876-11	(D501)...CARBON	75K	5%	1/4W
R628	1-247-891-00	(D301)...CARBON	330K	5%	1/4W
R629	1-247-868-11	(D501)...CARBON	36K	5%	1/4W
R629	1-215-460-00	(D301)...CARBON	43K	5%	1/4W
R630	1-249-438-11	(D501)...CARBON	56K	5%	1/4W
R630	1-215-462-00	(D301)...CARBON	51K	5%	1/4W
R631	1-249-433-11	(D501)...CARBON	22K	5%	1/4W
R631	1-249-439-11	(D301)...CARBON	68K	5%	1/4W
R632	1-249-434-11	(D501)...CARBON	27K	5%	1/4W
R632	1-215-464-00	(D301)...CARBON	62K	5%	1/4W
R633	1-249-440-11	(D501)...CARBON	82K	5%	1/4W
R633	1-249-437-11	(D301)...CARBON	47K	5%	1/4W
R634	1-249-440-11	CARBON	82K	5%	1/4W
R637	1-249-415-11	(D501)...CARBON	680	5%	1/4W
R637	1-249-423-11	(D301)...CARBON	3.3K	5%	1/4W
R638	1-249-418-11	(D501)...CARBON	1.2K	5%	1/4W
R638	1-247-848-11	(D301)...CARBON	5.1K	5%	1/4W
R704	1-249-417-11	CARBON	1K	5%	1/4W
R705	1-249-421-11	CARBON	2.2K	5%	1/4W
R713	1-249-417-11	CARBON	1K	5%	1/4W
R715	1-249-421-11	CARBON	2.2K	5%	1/4W
R718	1-249-429-11	CARBON	10K	5%	1/4W
R719	1-249-429-11	CARBON	10K	5%	1/4W
R720	1-249-429-11	CARBON	10K	5%	1/4W
R731	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-247-895-00	CARBON	470K	5%	1/4W
R735	1-247-895-00	CARBON	470K	5%	1/4W
R737	1-249-431-11	(D301)...CARBON	15K	5%	1/4W
R762	1-249-411-11	CARBON	330	5%	1/4W
R763	1-249-411-11	CARBON	330	5%	1/4W
R764	1-249-411-11	(D501)...CARBON	330	5%	1/4W
R765	1-249-411-11	(D501)...CARBON	330	5%	1/4W
R766	1-249-409-11	CARBON	220	5%	1/4W
R767	1-249-411-11	(D501)...CARBON	330	5%	1/4W
R768	1-249-411-11	(D501)...CARBON	330	5%	1/4W
R769	1-249-409-11	CARBON	220	5%	1/4W
R770	1-249-411-11	CARBON	330	5%	1/4W
R771	1-249-411-11	CARBON	330	5%	1/4W
R901 ⚠	1-212-934-00	FUSIBLE	1	5%	1/2W F
R902 ⚠	1-212-950-00	FUSIBLE	4.7	5%	1/2W F
R903	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref.No.	Part No.	Description
R905	1-249-429-11	(E)...CARBON 10K 5% 1/4W
R906	1-249-429-11	(E)...CARBON 10K 5% 1/4W
R907	1-249-429-11	(E)...CARBON 10K 5% 1/4W
R908	1-249-429-11	(E)...CARBON 10K 5% 1/4W
R909	1-249-433-11	CARBON 22K 5% 1/4W
R912	1-247-864-11	(D501:AEP,UK,WG,IT) ...CARBON 24K 5% 1/4W
R912	1-249-419-11	(D301:AEP,UK,WG,IT) ...CARBON 1.5K 5% 1/4W
R912	1-249-434-11	(E).....CARBON 27K 5% 1/4W
R913	1-249-433-11	(E)...CARBON 22K 5% 1/4W
R920	1-249-417-11	CARBON 1K 5% 1/4W
R921	1-249-429-11	CARBON 10K 5% 1/4W
RT061	1-228-994-00	RES, ADJ, CARBON 10K
RT062	1-228-995-00	RES, ADJ, CARBON 22K
RT501	1-228-994-00	RES, ADJ, CARBON 10K
RT551	1-228-994-00	RES, ADJ, CARBON 10K
RV41	1-228-989-00	RES, ADJ, CARBON 470
RV42	1-230-499-11	(D501:DECK B)...RES, ADJ, CARBON 100K
RV42	1-230-498-11	(D301:DECK B)...RES, ADJ, CARBON 47K
RV61	1-228-989-00	RES, ADJ, CARBON 470
RV62	1-230-499-11	(D501:DECK B)...RES, ADJ, CARBON 100K
RV62	1-230-498-11	(D301:DECK B)...RES, ADJ, CARBON 47K
RV201	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV201	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV202	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV202	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV203	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV203	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV204	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV204	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV205	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV205	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV206	1-237-884-11	RES, VAR, CARBON 100K/100K (VOLUME)
RV251	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV251	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV252	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV252	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV253	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV253	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV254	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV254	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RV255	1-237-986-11	(EXCEPT D501:E)...RES, VAR, SLIDE 250K
RV255	1-238-056-11	(D501:E).....RES, VAR, SLIDE 250K
RY81	1-515-614-11	(DECK B)...RELAY
RY401	1-515-501-00	(D301:E,D501)...RELAY
RY901	1-515-720-11	(E)...RELAY
S11	1-571-281-21	SWITCH, LEAF (HALF)
S12	1-571-281-21	(DECK B)...SWITCH, LEAF (REC (A))
S13	1-571-281-21	(D501:DECK B)...SWITCH, LEAF (REC (B))
S14	1-571-281-21	SWITCH, LEAF (CrO2)
S151	1-554-303-21	SWITCH, KEY BOARD (1)
S152	1-554-303-21	SWITCH, KEY BOARD (2)

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
S153	1-554-303-21	SWITCH, KEY BOARD (3)
S154	1-554-303-21	SWITCH, KEY BOARD (4)
S155	1-554-303-21	SWITCH, KEY BOARD (5)
S156	1-554-303-21	SWITCH, KEY BOARD (6)
S157	1-554-303-21	SWITCH, KEY BOARD (7)
S158	1-554-303-21	SWITCH, KEY BOARD (8)
S159	1-554-303-21	SWITCH, KEY BOARD (9)
S160	1-554-303-21	SWITCH, KEY BOARD (0)
S161	1-554-303-21	SWITCH, KEY BOARD (+)
S162	1-554-303-21	SWITCH, KEY BOARD (-)
S163	1-554-303-21	SWITCH, KEY BOARD (SHIFT)
S164	1-554-303-21	SWITCH, KEY BOARD (BAND SELECTOR)
S165	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S166	1-554-303-21	SWITCH, KEY BOARD (MODE)
S167	1-554-303-21	SWITCH, KEY BOARD (MEMORY SCAN)
S201	1-571-292-11	(D501)...SWITCH, PUSH (1KEY)(SURROUND)
S202	1-571-292-11	(D501)...SWITCH, PUSH (1KEY)(DBFB)
S301	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S302	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S303	1-554-303-21	SWITCH, KEY BOARD (CD)
S304	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S305	1-554-303-21	(E)...SWITCH, KEY BOARD (POWER)
S701	1-554-303-21	SWITCH, KEY BOARD(DUBBING NORMAL SPEED)
S702	1-554-303-21	SWITCH, KEY BOARD(DUBBING HIGH SPEED)
S703	1-554-303-21	SWITCH, KEY BOARD (●) DECK B
S704	1-554-303-21	SWITCH, KEY BOARD (▶▶) DECK B
S705	1-554-303-21	SWITCH, KEY BOARD (◀◀) DECK B
S706	1-554-303-21	(D501)...SWITCH, KEY BOARD (◀) DECK A
S707	1-554-303-21	SWITCH, KEY BOARD (▶) DECK A
S708	1-554-303-21	SWITCH, KEY BOARD (■) DECK A
S709	1-554-303-21	SWITCH, KEY BOARD (■) DECK B
S710	1-554-303-21	SWITCH, KEY BOARD (▮▮) DECK B
S711	1-554-303-21	SWITCH, KEY BOARD (▶) DECK B
S712	1-554-303-21	(D501)...SWITCH, KEY BOARD (◀) DECK B
S713	1-554-303-21	SWITCH, KEY BOARD (●) DECK B
S714	1-554-303-21	SWITCH, KEY BOARD (◀◀) DECK A
S715	1-554-303-21	SWITCH, KEY BOARD (▶▶) DECK A
S716	1-570-157-21	SWITCH, SLIDE (DOLBY NR)
S717	1-570-432-11	(D501)...SWITCH, SLIDE (DIRECTION)
S901 ⚠	1-553-318-31	(AEP,UK,WG,IT)...SWITCH, PUSH (AC POWER)(1 KEY)(POWER)

Ref.No.	Part No.	Description
T81	1-433-331-11	(D501:DECK B)...TRANSFORMER, BIAS OSCILLATION
T81	1-433-338-12	(D301:DECK B)...TRANSFORMER, BIAS OSCILLATION
T901 ⚠	1-449-545-13	(D301:AEP,WG,IT)...TRANSFORMER, POWER
T901 ⚠	1-449-546-13	(D301:UK).....TRANSFORMER, POWER
T901 ⚠	1-449-547-11	(D301:E).....TRANSFORMER, POWER
T901 ⚠	1-449-648-12	(D501:UK).....TRANSFORMER, POWER
T901 ⚠	1-449-649-12	(D501:AEP,WG,IT)...TRANSFORMER, POWER
T901 ⚠	1-449-796-11	(D501:E).....TRANSFORMER, POWER
T902 ⚠	1-449-548-11	(E)...TRANSFORMER, POWER
TM001	1-536-708-00	(UK,E)..TERMINAL BOARD, PUSH 4P(ANTENNA)
TM001	*1-537-138-31	(AEP,WG,IT).....TERMINAL BOARD (ANTENNA)
TM201	1-563-562-11	JACK, PIN 4P (PHONO/CD)
TM202	*1-566-210-11	PIN, CONNECTOR 3P (ONLY FOR PS-LX40P)
TM401	1-537-156-11	TERMINAL BOARD (SPEAKER)
TM901	*1-535-476-11	(AEP)...TERMINAL
TM902	*1-535-476-11	(AEP)...TERMINAL
TP2	*1-508-912-00	PIN, CONNECTOR, 3P (DOLBY OUT)
TP061	*1-560-060-00	PIN, CONNECTOR 2P (NULL)
VS901 ⚠	1-571-847-11	(E)...SWITCH, VOLTAGE SELECTOR
X061	1-577-075-11	OSCILLATOR, CERAMIC (456kHz)
X101	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)
X151	1-577-082-11	VIBRATOR, CERAMIC (4MHz)
X301	1-567-839-11	VIBRATOR, CERAMIC (3MHz)

ACCESSORY & PACKING MATERIAL

1-465-148-11	(AEP,UK,WG,IT)...REMOTE COMMANDER (RM-S420)(GRAY)	
1-465-148-21	(D501:AEP,UK)....REMOTE COMMANDER (RM-S420)(WHITE)	
1-465-149-11	(E).....REMOTE COMMANDER (RM-S420E)	
2-394-123-01	COVER, BATTERY	
3-786-926-51	(UK)....MANUAL, INSTRUCTION (XO)	
3-786-926-11	(AEP)...MANUAL, INSTRUCTION (XO)	
3-786-926-41	(AEP)...MANUAL, INSTRUCTION (XO)	
3-750-293-41	(E).....MANUAL, INSTRUCTION (XO)	

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